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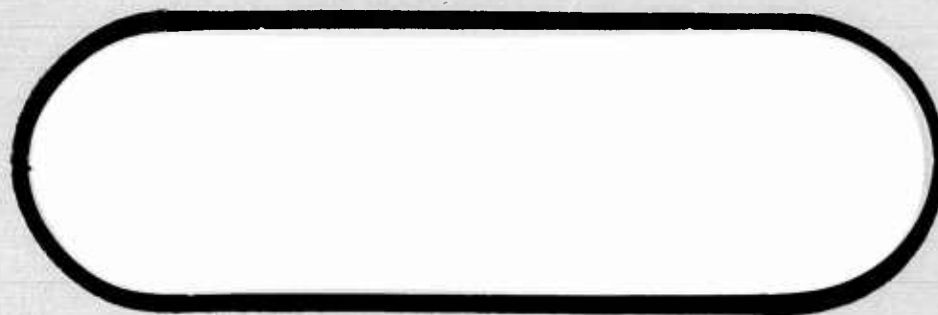
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CODE IDENT NO. 81205

NUMBER DE-13946-10

TITLE FLIGHT ARTICLE MASS PROPERTIES REPORT FOR MINUTEMAN
WING II AND III COMPONENTS FOR MISSILE 905-244, (155)

MODEL NO. WS-132A CONTRACT NO. AF04(694)-46

ISSUE NO. _____ ISSUED TO _____

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2-8142-2

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SUMMARY

This report contains mass property summaries of the Boeing components for a series of Operational Wing II and III Minuteman missiles. The serialized components included in the data for each missile are those committed to that particular missile during the course of production in Seattle and may not be the ones finally installed during assembly at Air Force Plant 77.

1.0

INTRODUCTION

1.1

REFERENCES

1.1.1

BSD Exhibit 62-45, "Mass Properties Control data for WS-133A dated 3 August 1962."

1.1.2

Supplemental Agreement No. 6 to Contract AF04(694)-46.

1.1.3

Boeing Document D2-13943-2, "Flight Article Mass Properties Report for CTII Installations."

1.1.4

Boeing Document D2-13944-501, "Flight Article Mass Properties Report for Missile 501 Components."

1.1.5

Boeing Document D2-13956-2 "Statistical Means and Dispersions for the Mass Properties of Boeing Components for the Wing II Operational Minuteman Missile - June 1, 1963."

1.1.6

Boeing Document D2-13947-xxx "Air Force Plant 77 Flight Article Mass Properties Report for Missile xxx."

1.2

COMPONENT SERIAL NUMBERS

Component serial numbers appear on the data summary sheet for each missile. See pages 12 through 51.

1.3

DISCUSSION

This weight report for the Boeing components of a series of Operational Wing II and III Minuteman missiles is presented in accordance with section 3.1.1 of BSD Exhibit 62-45 (reference 1.1.1) as authorized by Supplemental Agreement No. 6 to Contract AF04(694)-46 (reference 1.1.2). Since the data are to be reported monthly, this report contains data for a series of Wing II and III missiles whose components were manufactured recently. The report includes actual mass properties for the major components assigned to each missile in the manufacturing records at Seattle. (These may not be the same components finally assembled together at Air Force Plant 77. See reference 1.1.6 for the final configuration). Mean mass properties are used for components other than the interstages, aft skirt, and base heat deflectors since the weights for these remaining items are small. Mean and dispersion back-up data for these items can be found in the latest quarterly means and dispersions report (reference 1.1.5).

The data presented in this report consist of (1) sectional summaries of the total Boeing weight responsibility for each missile covered by this report, (2) a sectional summary of the components whose mean weights are used in lieu of actual weights, (3) summary check lists by missile section, (4) a list of Engineering Change Proposals incorporated on the hardware included in this report, and (5) actual weighing records for the interstages, the aft skirt, and the base heat deflectors.

The actual weighing records for the major components covered by this report can be found in section 6 (pages 61 through 190). In order to limit the size of this report, weighing diagrams and inventory lists have been omitted for all but the first unit of each interstage and skirt since the components have all been weighed in the "complete" condition. However, these records are on file and can be supplied if necessary. The change records found in section 6 are listed in order by serial number for each major component in order to assist in cross referencing the components in case of substitution at a later date.

1.4

CTLI PROVISIONS

The only CTLI provisions incorporated into this report are those components which are installed on every operational missile. The mass properties data for CTLI components which will be added at Vandenberg Air Force Base are reported in reference 1.1.3.

1.5

WEIGHING PROCEDURES

A description of the weighing procedures and an accuracy statement will be found in reference 1.1.4.

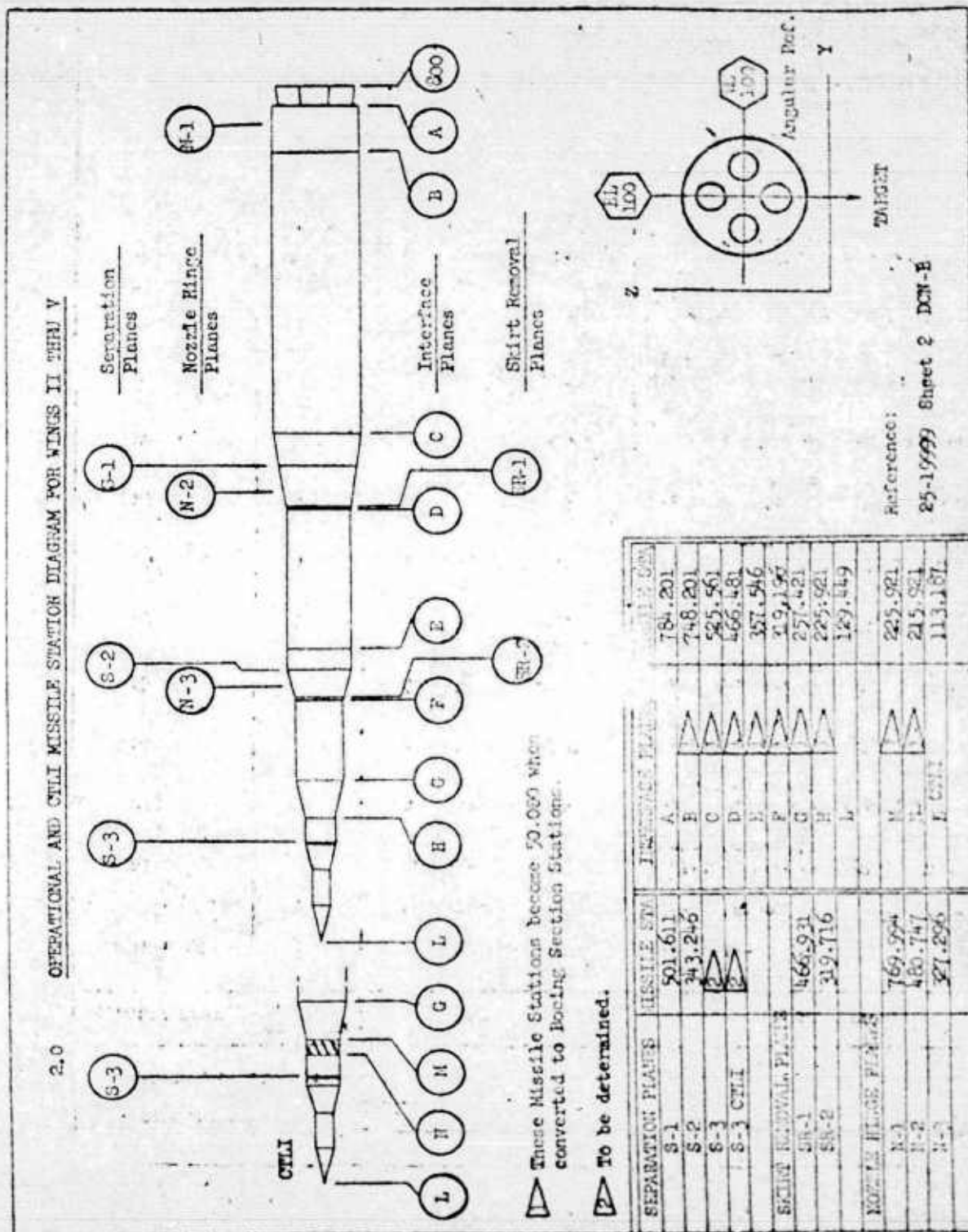
1.6

ENGINEERING CHANGE PROPOSAL (ECP) SUMMARY

See page 60 for a list of the ECP's incorporated on the Boeing components covered by this report. The ECP's listed are those not covered by the latest revision to "Model Specification for Guided Missile Main Assemblages (S-133-1000-0-1)" dated 15 March 1963.

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3.1 MISSILE NO. 905 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000409						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.49	98.41	106.45	111.35	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.39	59.63	100.06	101.41	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	.0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.63		61.46	98.85	100.54	.008	.005
22	45	Interstage 2-3 (Aft)			63.63	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.64	146.90	105.90	110.28	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			244.46	67.26	99.45	101.54	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	102.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.004
35		Portion	Base	5.40		67.09	100.27	100.70	.001	0
36			Jett	199.33		69.00	98.53	100.40	.028	.018
37	47	Interstage 1-2 (Aft)			129.80	96.91	100.82	99.54	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.57	228.10	109.87	116.72	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		126.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			284.28	68.56	100.91	101.26	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.28					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.56						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.2 MISSILE NO. 906 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000415						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.67	98.77	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.69	59.83	100.09	101.52	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.93		61.72	98.70	100.70	.008	.005
22	45	Interstage 2-3 (Aft)			63.83	80.60	98.32	101.56	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.74	147.04	105.89	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.50	67.17	99.47	101.64	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.83		68.86	98.56	100.52	.028	.018
37	47	Interstage 1-2 (Aft)			129.50	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.62	228.06	109.86	116.71	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			284.78	68.50	100.68	101.15	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.62	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.81					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.76						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.3 MISSILE NO. 907 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000425						REPORT NO. _____ DATE _____				
LINE	S/C	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x 10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	98.71	106.39	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	102.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.24	60.02	100.20	101.52	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.48		62.00	99.04	100.65	.008	.005
22	45	Interstage 2-3 (Aft)			63.53	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	102.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.75	147.06	105.88	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.80	67.02	99.63	101.57	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.26		66.67	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.67		68.77	98.76	100.44	.028	.018
37	47	Interstage 1-2 (Aft)			122.41	96.31	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.48	227.97	109.88	116.75	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			284.48	68.56	100.83	101.17	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.002	.006
48		MISSILE			953.36					
49			Silo	32.20						
50			Aero	21.25						
51			Base	98.71						
52			Jett	286.15						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-O-58

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3.4 MISSILE NO. 908 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000410						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.64	98.71	106.39	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.39	59.54	105.11	101.44	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.63		61.33	98.91	100.59	.008	.005
22	45	Interstage 2-3 (Aft)			63.63	80.60	92.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.60	146.85	105.91	110.29	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		109.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			244.24	67.16	99.47	101.55	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	129.11		68.84	98.56	100.41	.028	.018
37	47	Interstage 1-2 (Aft)			129.67	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.13	228.93	104.26	116.57	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.03	68.54	100.88	101.11	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			955.35					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.74						

* Boiling Section Stations (See Missile Station Diagram)
2-5550-0-58

3.5 MISSILE NO. 909 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000416						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	86.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.73	95.83	105.36	111.20	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.15	92.85	100.14	101.42	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.39		61.82	98.95	100.46	.008	.005
22	45	Interstage 2-3 (Aft)			63.47	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.04	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.71	147.00	105.89	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.93	66.97	93.50	101.60	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.60		69.18	98.59	100.59	.028	.018
37	47	Interstage 1-2 (Aft)			129.48	95.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.04	228.80	109.79	116.79	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.18	68.50	100.78	101.20	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			956.71					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	206.19						

* Boeing Section Stations (See Missile Station Diagram)
2-5950-0-58

3.6 MISSILE NO. 910 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000426					REPORT NO. _____ DATE _____					
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.70	98.82	106.37	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.36	59.90	100.03	101.54	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.60		61.53	98.80	100.71	.008	.005
22	45	Interstage 2-3			63.61	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.30	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.73	147.03	105.89	110.25	.001	.018
26			Silo	.63		99.68	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.49	67.32	99.55	101.54	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.36		69.04	98.65	100.40	.028	.018
37	47	Interstage 1-2			129.22	96.01	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.70	228.60	109.82	116.63	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.33	68.62	100.32	101.56	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			756.56					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.90						

* Boeing Section Stations (See Missile Station Diagram)
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3.7 MISSILE NO. 911 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000353						REPORT NO. _____ DATE _____				
LINE	SC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.78	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.24	52.54	100.11	101.42	.010	.000
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.50	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.42		61.34	98.92	100.65	.008	.005
22	45	Interstage 2-3 (Aft)			63.53	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.04	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			2.72	147.02	105.89	110.25	.001	.018
26			Silo	.63		99.02	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			241.28	67.05	92.58	101.49	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.91	100.32	100.55	.001	0
34		Jettisoned	Aero	7.26		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	129.15		68.71	98.70	100.34	.028	.018
37	47	Interstage 1-2 (Aft)			129.58	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.05	227.32	102.96	116.87	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.024
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			288.43	68.51	100.82	101.97	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.00	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			257.63					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.57						

* Boeing Section Stations (See Missile Station Diagram)
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3.8 MISSILE NO. 912 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000431						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.70	98.82	106.37	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.28	59.82	100.00	101.53	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		27.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.52		61.73	98.76	100.71	.008	.005
22	45	Interstage 2-3 (Aft)			63.54	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	102.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.67	106.94	105.90	110.27	.001	.010
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			244.02	67.32	92.48	101.04	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	196.89		69.24	98.57	100.38	.028	.018
37	47	Interstage 1-2 (Aft)			129.54	96.21	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.28	103.41	.001	0
40	48	1st Stage Engine			60.77	228.70	102.81	116.61	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	120.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.83	68.52	101.03	101.07	.064	.032
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			957.57					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.41						

* Boeing Section Stations (See Missile Station Diagram)
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3.9 MISSILE NO. 913 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000417						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	98.72	106.32	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.91	59.70	100.11	101.61	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.15		61.56	98.92	100.81	.008	.005
22	45	Interstage 2-3			63.31	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.77	147.08	105.88	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.52	67.08	99.51	101.09	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.49		68.75	98.61	100.44	.028	.018
37	47	Interstage 1-2			129.89	95.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		95.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.17	228.99	109.77	116.56	.004	.115
41			Silo	2.82		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.88	68.54	100.91	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.22					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.64						

* Boozing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.10 MISSILE NO. 914 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000427						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.72	98.86	106.36	111.20	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.42	59.52	100.04	101.59	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.66		61.50	98.83	100.78	.008	.005
22	45	Interstage 2-3 (Aft)			53.62	60.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	102.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.61	146.86	105.91	110.28	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		109.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.96	67.27	99.45	101.64	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.83		68.99	95.53	100.52	.028	.018
37	47	Interstage 1-2 (Aft)			129.50	96.21	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		77.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.90	228.59	109.82	116.63	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			288.53	68.56	100.78	101.13	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			958.21					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.49						

* Boozing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.11 MISSILE NO. 915 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000432						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.77	98.95	106.35	111.17	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.21	59.79	100.04	101.51	.010	.026
15			Silo							
16			Aero							
17			Base	2.51		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.45		61.68	98.83	100.68	.008	.005
22	45	Interstage 2-3 (Aft)			63.51	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.91	147.28	105.85	110.19	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		180.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.11	67.25	99.37	101.59	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.67	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.98		68.96	98.43	100.45	.028	.018
37	47	Interstage 1-2 (Aft)			129.00	96.21	106.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.28	103.41	.001	0
40	48	1st Stage Engine			60.76	228.49	109.84	116.67	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		126.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			289.28	68.57	100.85	101.08	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			957.57					
49			Silo	22.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.43						

* Boeing Section Stations (See Missile Station Diagram)
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3.12 MISSILE NO. 916 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000418						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	GEC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.63	98.69	106.40	111.26	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.82	59.76	99.97	101.57	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.06		61.65	98.72	100.75	.008	.005
22	45	Interstage 2-3			63.25	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.69	145.97	105.90	110.26	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.00		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.08	67.34	99.63	101.50	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		69.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.07	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.95		69.08	98.76	100.34	.028	.018
37	47	Interstage 1-2			128.98	95.21	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		95.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.07	228.85	109.79	116.58	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.60		309.40	100.00	100.00	0	0
44	49	Skirt			286.98	68.59	100.85	101.07	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			944.52					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.01						

* Boiling Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.13 MISSILE NO. 917 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000428						REPORT NO. _____ DATE _____				
LINE	QTY	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.70	98.82	106.37	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.18	59.71	100.04	101.55	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.42		61.57	98.83	100.74	.008	.005
22	45	Interstage 2-3			63.49	80.50	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.77	100.50	100.84	0	0
24			Aero	1.18		82.00	101.07	105.23	0	0
25	46	2nd Stage Engine			32.81	147.14	105.87	110.22	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.02	67.06	99.42	101.51	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.89		66.72	98.51	100.36	.028	.018
37	47	Interstage 1-2			129.57	56.71	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.60	100.34	100.59	.001	0
39			Aero	3.51		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.90	228.60	109.82	116.63	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.88	68.47	100.50	101.15	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.003	.006
48		MISSILE			957.54					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.31						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.14 MISSILE NO. 918 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000433						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	98.73	106.39	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	102.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.15	52.65	100.02	101.51	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.39		61.50	98.79	100.69	.008	.005
22	45	Interstage 2-3 (Aft)			63.47	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.69	146.97	105.00	110.26	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.44	67.55	99.68	101.45	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	187.31		69.35	98.80	100.28	.028	.018
37	47	Interstage 1-2 (Aft)			128.62	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.94	228.65	109.81	116.62	.004	.115
41			Silo	2.82		150.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.33	68.55	101.01	100.88	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			952.31					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.70						

* Boiling Section Stations (See Missile Station Diagram)
2-5550-0-58

3.15 MISSILE NO. 919 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000419						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.69	98.80	106.38	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.51	59.71	100.04	101.46	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.75		61.55	98.83	100.61	.003	.005
22	45	Interstage 2-3			63.71	86.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.86	147.20	105.86	116.21	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.67	67.25	99.56	101.02	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.54		68.97	98.66	100.50	.028	.018
37	47	Interstage 1-2			129.34	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			60.27	227.65	109.92	116.80	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.80	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.38	68.52	100.89	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.69	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.45					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.29						

* Boeing Section Stations (See Missile Station Diagram)
2-5556-0-58

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3.16 MISSILE NO. 920 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000429						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV- Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.59	98.61	106.41	111.29	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.26	59.77	99.96	101.62	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.61		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.52		61.66	98.73	100.83	.003	.005
22	45	Interstage 2-3			63.54	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.67	146.94	105.89	110.27	.001	.010
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.36	67.33	99.57	101.54	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.67	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.23		69.06	98.66	100.40	.028	.018
37	47	Interstage 1-2			129.15	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.83	228.49	109.83	116.65	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.80	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			287.38	68.62	100.94	101.12	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.69	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			955.82					
49			Silo	32.20						
50			Aero	21.25						
51			Base	53.71						
52			Jett	285.75						

* Boozing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.17 MISSILE NO. 921 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000354						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.78	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.85	52.67	99.99	101.56	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.09		61.53	98.75	100.74	.008	.005
22	45	Interstage 2-3			63.27	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.61	146.86	105.30	110.28	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.93		99.62	112.30	121.20	0	0
28			Base	1.80		180.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.77	67.68	99.67	101.52	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.90		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.64		69.49	98.81	100.38	.028	.018
37	47	Interstage 1-2			129.39	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.64	228.21	109.85	116.70	.004	.115
41			Silo	2.80		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.23	68.61	100.87	101.00	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			251.46					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.73						

* Boeing Section Stations (See Missile Station Diagram)
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3.18 MISSILE NO. 922 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000434						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.°	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.61	98.65	106.40	111.27	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.09	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.06	59.65	100.05	101.51	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.30		61.50	98.84	100.69	.008	.005
22	45	Interstage 2-3 (Aft)			63.41	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.76	147.07	105.88	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.60		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.61	67.12	99.52	101.58	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	193.48		68.81	98.71	100.45	.028	.018
37	47	Interstage 1-2 (Aft)			129.40	96.31	100.82	99.84	.024	.014
38			Silo	3.37		96.62	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.72	228.33	109.65	116.68	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.60		309.40	100.00	100.00	0	0
44	49	Skirt			285.23	68.52	100.90	101.19	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			953.72					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.78						

* Boiling Section Stations (See Missile Station Diagram)
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3.19 MISSILE NO. 923 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000420						REPORT NO. _____ DATE _____				
LINE	SEQ.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.78	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.42	52.71	100.18	101.54	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.66		61.57	92.02	100.72	.008	.005
22	45	Interstage 2-3			63.65	80.50	92.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.75	147.19	105.88	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.30	67.27	99.58	101.61	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	108.17		69.00	96.69	100.50	.028	.018
37	47	Interstage 1-2			122.11	96.21	100.92	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.66	228.24	102.86	116.70	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.43	68.49	100.94	101.02	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			257.05					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.83						

* Facing Section Stations (See Missile Station Diagram)
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3.20 MISSILE NO. 924 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000430						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.60	98.63	106.41	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.94	59.86	100.00	101.54	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.18		61.78	98.76	100.72	.008	.005
22	45	Interstage 2-3 (Aft)			63.33	80.80	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	103.23	0	0
25	46	2nd Stage Engine			32.25	146.35	105.28	110.40	.001	.018
26			Silo	.63		92.62	112.30	121.20	0	0
27			Aero	.53		92.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.42	67.60	99.66	101.58	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.29		69.40	98.78	100.45	.028	.018
37	47	Interstage 1-2 (Aft)			129.19	96.21	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.52	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.75	228.39	109.63	116.67	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			264.28	68.53	100.55	101.12	.004	.039
45			Silo	17.57		63.02	100.35	100.60	.004	.002
46			Aero	3.33		57.82	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.79					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.47						

* Firing Section Stations (See Missile Station Diagram)
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3.21 MISSILE NO. 925 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000445						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.64	98.71	106.32	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.27	59.88	100.15	101.56	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.51		61.81	98.98	100.75	.008	.005
22	45	Interstage 2-3			63.55	80.60	92.32	101.46	.006	.003
23		(Aft)	Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.63	146.89	105.91	110.28	.001	.010
26			Silo	.63		92.62	112.30	121.20	0	0
27			Aero	.53		92.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.52	67.83	92.65	101.47	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.39		62.42	98.78	100.31	.028	.018
37	47	Interstage 1-2			129.24	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.60	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.27	227.65	102.22	116.80	.004	.115
41			Silo	2.80		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		302.40	100.00	100.00	0	0
44	49	Skirt			285.98	68.54	100.74	101.13	.004	.032
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		62.10	101.70	102.76	.002	.006
48		MISSILE			953.22					
49			Silo	32.20						
50			Aero	21.25						
51			Base	40.71						
52			Jett	285.90						

* Boozing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.22 MISSILE NO. 926 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000436						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.70	92.82	106.37	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.54	52.75	100.14	101.61	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.76		61.62	98.95	100.82	.008	.005
22	45	Interstage 2-3			63.71	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		82.27	100.50	102.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.87	147.22	105.86	110.20	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.55	67.54	99.59	101.55	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	102.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	102.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.42		69.31	98.71	100.41	.028	.018
37	47	Interstage 1-2			129.25	95.21	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.51		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.32	227.84	102.90	116.77	.004	.115
41			Silo	2.89		199.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.66	58.60	100.79	101.08	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.00		69.10	101.70	102.76	.002	.006
48		MISSILE			924.74					
49			Silo	32.20						
50			Aero	31.25						
51			Base	58.71						
52			Jett	286.20						

* Boiling Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.23 MISSILE NO. 927 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000441						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.74	98.70	106.35	111.19	0	.0023
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.33	59.76	100.15	101.64	.010	.0006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.57		61.62	98.98	100.86	.008	.0005
22	45	Interstage 2-3			63.59	80.66	99.32	101.46	.006	.0003
23		(Aft)	Silo	1.18		80.97	100.50	102.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.69	146.97	105.90	110.26	.001	.0018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.76	67.24	99.43	101.69	.032	.0022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.67	100.10	100.17	.001	.0001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	177.63		69.02	98.51	100.47	.028	.0018
37	47	Interstage 1-2			128.80	96.91	100.82	99.84	.004	.0014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.94	228.65	109.81	116.62	.004	.0015
41			Silo	2.89		190.41	111.84	120.45	0	.0004
42			Aero	1.04		136.60	117.20	129.70	0	.0001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			284.43	68.59	100.78	100.99	.004	.0039
45			Silo	17.27		68.02	100.35	100.60	.004	.0002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.00		69.10	101.70	102.76	.009	.0006
48		MISSILE			952.32					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.20						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.24 MISSILE NO. 928
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000451

REPORT NO. _____

DATE _____

ITEM NO.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10 ⁻³	
					LONG.*	LAT.	VERT.	ROLL.	PITCH
1 41	RV Spacer								
2		Silo							
3		Aero							
4 39	CTHI Section								
5		Silo							
6		Aero							
7 42	G&C Section			1.02	80.94	100.00	100.00	0	0
8		Silo							
9		Aero							
10 44	3rd Stage Engine			17.54	98.51	106.42	111.32	0	.003
11		Silo	.43		94.95	110.30	117.70	0	0
12		Aero	.80		94.95	110.30	117.70	0	0
13		Base	.20		131.00	100.00	100.00	0	0
14 45	Interstage 2-3 (Fwd)			180.06	59.98	100.10	101.62	.010	.006
15		Silo							
16		Aero							
17		Base	2.81		57.33	107.51	108.65	0	0
18		Silo	1.92		61.11	101.01	101.74	0	0
19	Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20		Base							
21		Jett	87.30		61.94	98.91	100.83	.008	.005
22 45	Interstage 2-3 (Aft)			63.41	80.60	99.32	101.46	.006	.003
23		Silo	1.18		80.97	100.50	100.84	0	0
24		Aero	1.16		82.00	103.07	103.23	0	0
25 46	2nd Stage Engine			32.71	147.00	105.89	110.26	.001	.018
26		Silo	.63		99.62	112.30	121.20	0	0
27		Aero	.53		99.62	112.30	121.20	0	0
28		Base	1.80		189.25	100.00	100.00	0	0
29 47	Interstage 1-2 (Fwd)			242.54	67.37	99.37	101.60	.032	.022
30		Silo							
31		Aero							
32		Base	3.10		64.06	112.35	115.53	0	0
33		Silo	4.21		66.61	100.32	100.55	.001	0
34	Jettisoned Portion	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Base	5.40		67.02	100.27	100.76	.001	0
36		Jett	197.41		69.12	98.42	100.47	.028	.018
37 47	Interstage 1-2 (Aft)			126.67	96.21	100.82	99.84	.024	.014
38		Silo	3.37		96.69	100.34	100.59	.001	0
39		Aero	3.41		97.71	101.95	103.41	.001	0
40 48	1st Stage Engine			60.85	228.52	109.83	116.64	.004	.115
41		Silo	2.89		129.41	111.84	120.45	0	.004
42		Aero	1.04		136.60	117.20	129.70	0	.001
43		Base	4.80		309.40	100.00	100.00	0	0
44 49	Skirt			266.13	68.58	100.90	101.02	.004	.039
45		Silo	17.57		68.02	100.35	100.60	.004	.002
46		Aero	3.33		67.60	100.64	101.12	.001	0
47		Base	40.60		69.10	101.70	102.76	.009	.006
48	MISSILE			952.93					
49		Silo	32.29						
50		Aero	21.25						
51		Base	28.71						
52		Jett	284.71						

* Boozing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.25 MISSILE NO. 929 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000442						REPORT NO. _____ DATE _____				
LINE	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x 10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.74	98.80	106.35	111.19	0	.0023
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.03	59.86	100.03	101.62	.010	.0006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.27		61.77	98.80	100.83	.008	.005
22	45	Interstage 2-3 (Aft)			63.39	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.66	146.93	105.90	110.27	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			244.59	67.80	99.57	101.51	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.26		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	179.46		69.62	98.69	100.37	.028	.018
37	47	Interstage 1-2 (Aft)			122.87	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			60.95	228.67	102.81	116.62	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.28	68.59	100.86	101.23	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.00		69.10	101.70	102.76	.009	.006
48		MISSILE			956.63					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.74						
52			Jett	286.73						

* Boozing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.26 MISSILE NO. 930 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000452						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x 10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.70	98.82	106.37	111.21	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	102.00	102.00	0	0
14	45	Interstage 2-3 (Fwd)			112.94	99.60	100.05	101.53	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.18		61.42	98.83	100.70	.008	.005
22	45	Interstage 2-3 (Aft)			63.33	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.74	147.04	105.88	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.14	67.14	99.28	101.64	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.91		68.82	98.31	100.52	.025	.018
37	47	Interstage 1-2 (Aft)			129.02	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.71	228.31	109.85	116.68	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		302.40	100.00	100.00	0	0
44	49	Skirt			283.98	68.55	100.89	101.13	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			991.56					
49			Silo	32.20						
50			Aero	21.25						
51			Base	50.71						
52			Jett	285.19						

* Loading Section Stations (See Missile Station Diagram)
2-5550-0-58

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SER DATE 37

3.27 MISSILE NO. 931 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000523						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	GEC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.69	98.80	106.38	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.09	99.52	102.12	101.52	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.33		61.74	98.93	100.70	.008	.005
22	45	Interstage 2-3 (Aft)			63.43	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.75	147.07	105.88	115.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.60		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.14	67.15	99.95	101.55	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.67	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.01		68.84	98.66	100.41	.028	.018
37	47	Interstage 1-2 (Aft)			129.02	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.59	228.14	109.87	116.72	.004	.115
41			Silo	2.82		120.41	111.84	120.45	0	.004
42			Aero	1.04		126.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			282.93	68.58	100.88	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.82	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.069	.006
48		MISSILE			950.67					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.34						

* Booring Section Stations (See Missile Station Diagram)
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3.28 MISSILE NO. 932 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000437						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	GEC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.52	98.86	106.37	111.21	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.07	52.48	100.16	101.42	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.21		61.26	98.99	100.65	.008	.005
22	45	Interstage 2-3			63.35	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.74	147.04	105.89	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.55	67.53	99.65	101.55	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.42		69.30	98.78	100.41	.028	.018
37	47	Interstage 1-2			129.26	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			60.52	228.58	109.82	116.63	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.98	68.58	100.83	101.07	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			254.48					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.63						

* Booring Section Stations (See Missile Station Diagram)
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3.29 MISSILE NO. 933

WEIGHT AND BALANCE SUMMARY

MAJOR COMPONENTS S/N 0000443

REPORT NO. _____

DATE _____

LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.70	98.82	106.37	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.61	60.06	100.14	101.56	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.52	100.27	100.47	0	0
20			Base							
21			Jett	86.85		62.06	98.25	100.74	.008	.005
22	45	Interstage 2-3 (Aft)			63.11	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.85	147.20	105.87	110.21	.001	.018
26			Silo	.63		97.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			244.02	67.47	99.74	101.47	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.89		62.23	98.88	100.31	.028	.018
37	47	Interstage 1-2 (Aft)			129.54	96.21	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.93	103.41	.001	0
40	48	1st Stage Engine			60.75	228.37	109.84	116.67	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.48	68.36	101.03	100.98	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.08					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.74						

* Loading Section Stations (See Missile Station Diagram)
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3.30 MISSILE NO. 934 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000453						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	GAC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.76	98.24	106.35	111.18	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.00		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.28	59.86	100.19	101.57	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.52		61.81	99.03	100.78	.008	.005
22	45	Interstage 2-3			63.54	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.74	147.04	105.88	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.16	67.34	92.01	101.50	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.03		69.08	98.72	100.44	.028	.018
37	47	Interstage 1-2			128.45	96.91	100.52	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.25	103.41	.001	0
40	48	1st Stage Engine			60.71	228.31	109.85	116.68	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		209.40	100.00	100.00	0	0
44	49	Skirt			265.48	68.50	100.22	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.022
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	10.60		69.10	101.70	102.76	.007	.006
48		MISSILE			952.14					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.55						

* Base Section Stations (See Missile Station Diagram)
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3.31 MISSILE NO. 935 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000355						REPORT NO. _____ DATE _____				
LINE	SSC	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.62	98.67	106.40	111.27	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.30	59.32	100.20	101.60	.010	.000
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.54		61.12	99.04	100.79	.008	.005
22	45	Interstage 2-3			63.57	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	103.23	0	0
25	46	2nd Stage Engine			32.76	147.07	105.88	110.24	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.23		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.33	67.25	99.55	101.41	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.43	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.67	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	195.20		68.96	98.65	100.25	.028	.018
37	47	Interstage 1-2			129.13	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.50	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.70	228.30	109.85	116.68	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			266.03	68.41	100.87	101.20	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.46					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.74						

* Boeing Section Stations (See Missile Station Diagram)
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3.32 MISSILE NO. 936 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000438					REPORT NO. _____ DATE _____					
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Specar								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.67	98.77	106.38	111.24	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.39	52.56	100.14	101.44	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.63		61.37	98.95	100.58	.008	.005
22	45	Interstage 2-3			63.63	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.79	147.11	105.87	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.60		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.95	67.75	99.83	101.37	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.82		69.59	98.99	100.19	.026	.018
37	47	Interstage 1-2			128.91	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.08	103.41	.001	0
40	48	1st Stage Engine			60.94	228.65	102.81	116.62	.004	.115
41			Silo	2.89		100.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.60		207.40	100.00	100.00	0	0
44	49	Skirt			286.28	68.58	100.73	101.22	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			974.58					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.15						

* Boeing Section Stations (See Missile Station Diagram)
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3.33 MISSILE NO. 937 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000439						REPORT NO. _____ DATE _____				
LINE	S.S.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.77	98.96	106.35	111.17	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.48	59.92	100.19	101.62	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.72		61.85	99.03	100.83	.008	.005
22	45	Interstage 2-3			63.69	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.72	147.01	105.89	110.25	.001	.018
26			Silo	.63		99.68	112.30	121.20	0	0
27			Aero	.53		99.68	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.54	67.24	99.74	101.45	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.41		68.96	98.89	100.28	.028	.018
37	47	Interstage 1-2			128.67	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.27	229.14	109.76	116.53	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		126.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			283.28	68.51	100.86	101.12	.064	.032
45			Silo	17.57		68.02	100.35	100.50	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.44					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.13						

* Boeing Section Stations (See Missile Station Diagram)
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3.34 MISSILE NO. 938 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000444						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x 10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			-1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.62	98.67	106.40	111.27	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.50		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.97	59.61	100.14	101.49	.010	.006
15			Silo							
16			Aero							
17			Base	2.61		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.21		61.43	98.95	100.65	.008	.005
22	45	Interstage 2-3 (Aft)			63.35	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.74	147.04	105.89	110.25	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.76	67.21	99.66	101.60	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.76		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.63		68.92	98.78	100.47	.028	.018
37	47	Interstage 1-2 (Aft)			128.80	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.59	288.14	109.86	116.72	.004	.115
41			Silo	2.82		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			286.13	68.58	100.84	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.000	.006
48		MISSILE			952.98					
49			Silo	32.20						
50			Aero	51.25						
51			Base	28.71						
52			Jett	284.84						

* Firing Section Stations (See Missile Station Diagram)
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3.55 MISSILE NO. 939 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000454						REPORT NO. _____ DATE _____				
LINE	QTY	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.78	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			112.79	59.52	100.12	101.51	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.02		61.41	98.93	100.81	.008	.005
22	45	Interstage 2-3 (Aft)			63.23	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.31	146.44	105.96	110.38	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.52		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.33	67.19	99.65	101.64	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.59		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.20		68.89	98.77	100.52	.028	.018
37	47	Interstage 1-2 (Aft)			129.13	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.96	103.41	.001	0
40	48	1st Stage Engine			60.65	228.22	102.86	116.70	.004	.115
41			Silo	2.80		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.11	68.54	100.84	101.11	.004	.039
45			Silo	17.57		58.02	100.35	100.60	.004	.002
46			Aero	3.33		67.82	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			952.27					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.23						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.36 MISSILE NO. 940 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 000045						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.78	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.91	59.53	100.05	101.60	.010	.006
15			Silo							
16			Aero							
17			Base	2.61		97.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.15		61.33	98.53	100.80	.008	.005
22	45	Interstage 2-3 (Aft)			63.31	80.00	99.32	101.45	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.62	146.87	105.91	110.28	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.89	67.14	99.52	101.32	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		65.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.50		66.87	102.10	102.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	197.76		68.83	98.68	100.26	.028	.018
37	47	Interstage 1-2 (Aft)			128.87	95.91	106.82	99.84	.024	.014
38			Silo	3.37		95.69	100.34	100.59	.001	0
39			Aero	3.51		97.71	101.25	103.41	.001	0
40	48	1st Stage Engine			61.05	228.82	109.79	116.59	.004	.115
41			Silo	2.89		120.45	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.90		309.40	100.00	100.00	0	0
44	49	Skirt			284.73	68.61	102.93	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.04	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			352.08					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.91						

* Being Section Stations (See Missile Station Diagram)
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3.37 MISSILE NO. 941 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000455						REPORT NO. _____ DATE _____				
LINE	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.72	98.86	106.36	111.20	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.45	59.66	100.14	101.43	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.91	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.69		61.50	98.95	100.57	.008	.005
22	45	Interstage 2-3 (Aft)			63.67	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.27	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.80	147.13	105.87	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.67	67.33	99.54	101.48	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.50		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.54		69.05	98.65	100.33	.028	.018
37	47	Interstage 1-2 (Aft)			129.34	96.91	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.61		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.64	228.21	109.86	116.70	.004	.115
41			Silo	2.80		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			284.68	68.55	100.86	101.15	.004	.030
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			953.99					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.23						

* Boeing Section Stations (See Missile Station Diagram)
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3.38 MISSILE NO. 942 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000440						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	60.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.52	98.47	102.44	111.33	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.54	52.73	100.78	101.58	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.91	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.78		61.60	98.96	100.78	.008	.005
22	45	Interstage 2-3 (Aft)			63.72	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.80	147.13	105.87	110.23	.001	.018
26			Silo	.63		92.62	112.30	121.20	0	0
27			Aero	.53		92.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.39	67.19	99.67	101.41	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.26		68.89	98.79	100.24	.028	.018
37	47	Interstage 1-2 (Aft)			129.17	96.31	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.51	.001	0
40	48	1st Stage Engine			60.65	228.22	109.86	116.70	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			283.63	68.53	100.97	101.04	.064	.032
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			952.45					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.04						

* Boozing Section Stations (See Missile Station Diagram)
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3.39 MISSILE NO. 943 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000446						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.55	98.53	106.43	111.31	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.00		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			112.92	92.72	100.12	101.47	.010	.006
15			Silo							
16			Aero							
17			Base	2.61		97.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.06		61.58	98.93	100.52	.008	.005
22	45	Interstage 2-3 (Aft)			63.25	80.60	99.32	101.46	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.80	147.13	105.88	110.23	.001	.010
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.60		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			244.27	67.06	99.70	101.56	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.20		60.67	100.10	102.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	129.14		68.73	98.84	100.44	.028	.018
37	47	Interstage 1-2 (Aft)			129.60	96.21	100.82	99.84	.024	.014
38			Silo	3.27		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.28	103.41	.001	0
40	48	1st Stage Engine			60.75	228.37	104.84	116.67	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		130.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			284.44	68.49	100.79	101.19	.004	.032
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			953.58					
49			Silo	32.20						
50			Aero	21.25						
51			Base	28.71						
52			Jett	86.20						

* Boiling Section Stations (See Missile Station Diagram)
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3.40 MISSILE NO. 944 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000456						REPORT NO. _____ DATE _____				
LINE	SEC	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.60	98.63	106.41	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.97	59.77	100.12	101.60	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.21		61.66	98.93	100.80	.008	.005
22	45	Interstage 2-3 (Aft)			63.35	80.60	99.32	101.46	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.68	116.90	105.90	110.26	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.86	57.32	99.60	101.49	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.66	112.35	115.53	0	0
33			Silo	4.21		66.61	109.32	109.55	.001	0
34		Jettisoned	Aero	7.59		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.73		97.32	98.72	100.34	.026	.018
37	47	Interstage 1-2 (Aft)			129.45	96.31	100.82	99.84	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			90.88	228.57	109.62	116.64	.004	.115
41			Silo	2.89		190.41	111.04	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			283.45	68.56	100.72	101.21	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.00	100.04	101.12	.001	0
47			Base	4.80		69.10	101.70	102.76	.009	.006
48		MISSILE			952.23					
49			Silo	22.20						
50			Aero	21.25						
51			Base	50.71						
52			Jett	285.94						

* Boiling Section Stations (See Missile Station Diagram)
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3.41 WEIGHT AND BALANCE SUMMARY MEAN WEIGHT COMPONENTS**						REPORT NO. _____				
						DATE _____				
LINE NO.	ITEM NO.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00		
8			Silo							
9			Aero							
10	44	3rd Stage Engine			11.70	81.14	109.64	116.97		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3 (Fwd)			19.33	59.33	104.51	107.32		
15			Silo							
16			Aero							
17			Base							
18			Silo							
19		Jettisoned Portion	Aero							
20			Base							
21			Jett	8.32		60.79	98.72	103.60		
22	45	Interstage 2-3 (Aft)			7.54	80.44	98.47	97.10		
23			Silo							
24			Aero							
25	46	2nd Stage Engine			17.30	106.34	111.14	119.39		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2 (Fwd)			22.47	64.36	106.23	106.22		
30			Silo							
31			Aero							
32			Base							
33			Silo							
34		Jettisoned Portion	Aero							
35			Base							
36			Jett	9.32		68.92	98.68	97.16		
37	47	Interstage 1-2 (Aft)			8.69	95.50	101.49	98.76		
38			Silo							
39			Aero							
40	48	1st Stage Engine			35.44	163.93	116.87	128.58		
41			Silb							
42			Aero							
43			Base							
44	49	Skirt			9.33	59.23	111.14	116.56		
45			Silo							
46			Aero							
47			Base							
48		MISSILE			132.82					
49			Silo							
50			Aero							
51			Base							
52			Jett							

*Boeing Section Stations (See Missile Diagram)
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**See pages 53 through 59 for details of these items.

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CHECK LIST NO.	4.2 MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)				MISSILE
	MODEL	WS-133A	Mo	Day	Yr	COMPONENT	
ITEM NUMBER	SECTION	4/4	MISSILE NO. Wing II				
MISSILE COMPONENT 3rd Stage Engine		COMPONENT PART NO. Noted					
DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM		
4a Deflector Assy.	25-36379-1	1.1					
4b Deflector Instl.	25-25881-1	1.10	130.30	100.00	100.00		
4c Support Comp-Elec Cable	25-27523-8	2.32	77.33	109.50	116.22		
4d Instl-Elec Cable Support	25-27524-6	..22	54.05	97.66	107.62		
4e Conduit Support Set	25-36381-1	7.57	80.83	110.35	118.06		
4f Instl-Recovery Comp.	25-36046-3	4.9	73.49	109.20	116.00		
4g MS 5-62 Instl. at Plant 77		1.00	97.13	108.39	114.69		

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Use actual data for each deflector.

CHECK LIST NO.		4.3 MISSILE WEIGHING CHECK LIST		RECORD OF CHANGING (DATE)	
DATE		MODEL WS-133A		Mo Day Yr	
		FINAL ASSEMBLY DRAWING NO. 21-50150-12			
ITEM NUMBER	SECTION 1.5	MISSILE NO. Wing II		COMPONENT NO.	
MISSILE COMPONENT 2-3 Interstage		COMPONENT PART NO. Noted			
	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM
5a	Body Section	25-36103-1	1.1		
5b	Interstage Instl.	25-36302-1	3.12	66.93	100.17
5c	Conduit Support Set	25-36301-1	2.37	68.22	110.47
5d	Instl-Fwd R/W Cap	25-36016-3	.02	54.43	109.20
5e	Instl-Aft R/W Cap	25-36016-2	.10	83.03	111.00
5f	Accelerometer Installation	25-33301-2	.16	78.30	97.10
5g	Support Comp-Flec Cable	25-27521-8	2.50	57.16	110.85
5h	Instl-Flec Cable Support	25-27524-6	.24	67.72	110.31
5i	Insul Comp-Fasteners & Joints	25-37125-17	.56	55.01	97.06
5j	Bracket Comp-Cable Direc.	25-27232-3	6.13	62.85	111.02
5k	Disc. Bracket Instl.	25-27232-6	.22	64.19	111.24
5l	Ord. Assy. Sep & Skirt Removal	25-26356-1	4.56	65.04	93.11
5m	Ord. Instl-Joint Sev.	25-27232-2	.10	74.65	85.50
5n	S&A Device	10-20135-5	2.84	78.10	90.50
5o	25-5-62 Inst. at Plant 71		3.41	62.87	101.85

Use actual data for each body section.

Plat 77. (8-64-1-1)

1) Use actual data for each deflector.

CHECK LIST NO.		4.5		MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)				MISSILE			
DATE		MODEL WS-132A		FINAL ASSEMBLY DRAWING NO. 21-50150-12		Mo Day Yr				COMPONENT			
SECTION 47		MISSILE NO. WING II		COMPONENT PART NO. Noted									
MISSILE COMPONENT 1-2 Interstage		DESCRIPTION		PART NO.		WEIGHT		X ARM		Y ARM		Z ARM	
7a	Body Section		25-36101-1	1									
7b	Interstage Instl.		25-36478-2	2.55	78.96	92.88	100.32						
7c	Conduit Support Set		25-36381-1	2.38	88.97	115.59	127.08						
7d	Instl-Fwd R/W Cap		25-36046-2	.09	53.50	110.80	119.50						
7e	Instl-Aft R/W Cap		25-36046-1	.09	105.77	116.80	128.00						
7f	Support Comp-Elec Cable		25-27523-8	2.36	58.58	111.43	116.80						
7g	Instl-Elec Cable Support		25-27524-6	.40	83.74	109.13	114.73						
7h	Insul Comp-Fasteners & Joints		25-37025-17	.57	63.98	95.42	97.19						
7i	Bracket Comp-Cable Disc.		25-27234-3	10.11	65.87	114.13	114.13						
7j	Disc. Bracket Instl	2	25-27221-1	.23	70.65	120.19	120.30						
7k	Ord. Assy-Sep. & Skirt Removal		25-26855-1	6.04	72.12	91.33	103.80						
7l	Ord. Instl-Joint Ser.	2	25-27238-1	.14	84.75	83.10	91.80						
7m	S&A Device		10-20435-5	2.84	89.40	92.00	73.00						
7n	BIS 5-62 Instl. at Plant 77			3.36	72.86	104.65	111.33						

1> Use actual data for each body section.

CHECK LIST NO.		4.6 MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (2-5-50)							
DATE		MODEL MS-137A		FINAL ASSEMBLY DRAWING NO. 21-50150-12							
SECTION 48		MISSILE NO. Wing II		COMPONENT							
MISSILE COMPONENT 1st Stage Engine		COMPONENT PART NO. Noted		MISSILE							
DESCRIPTION		PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	UNION	CONNECTION	WIRING	TEST	REMARKS
8a	Deflector Assy.	25-3637(-1)	1.17								
8b	Deflector Instl.	25-25879-1	.13	309.30	100.00	100.00					
8c	Conduit Support	25-36381-1	30.01	142.24	117.45	129.80					
8d	Instl. Raceway Comp.	25-36346-1	1.14	161.30	116.20	119.20					
8e	Insul. Comp-Fasteners & Joints	25-37125-17	.79	156.52	116.50	129.00					
8f	Support Comp. Elec. Cable	25-27523-8	.61	51.70	116.70	129.40					
8g	Instl-Elec Cable	25-27524-6	.05	35.10	106.12	103.00					
8h	MS 5-62 Instl. at Plant 77		2.72	202.78	111.60	120.22					

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Use actual data for each deflector

CHECK LIST NO.		4.7 MISSILE-WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)				MISSILE	
		MODEL	WS-133A	No.	Day	Yr	Mo		
DATE		FINAL ASSEMBLY DRAWING NO. 21-50150-12							
SECTION 49		MISSILE NO. Wing II							
MISSILE COMPONENT Skirt		COMPONENT PART NO. Noted							
DESCRIPTION		PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	ENGINE	ENGINE	ENGINE
9a Skirt Assy-Insul.	25-36080-1	1.61	49.59	100.54	100.86	x	AS WEIGHED	AS WEIGHED	LAUNCH
9b Instl-Skirt Sect.	25-36079-2	2.49	57.26	117.00	129.80	x	AS WEIGHED	AS WEIGHED	LAUNCH
9c Conduit Support Set	25-36381-1	.15	59.30	116.50	128.50	x	AS WEIGHED	AS WEIGHED	LAUNCH
9d Instl. Raceway Cap	25-36046-1	1.79	59.56	114.59	123.03	x	AS WEIGHED	AS WEIGHED	LAUNCH
9e Support Comp-Elec Cable	25-27523-8	.37	60.10	121.98	120.16	x	AS WEIGHED	AS WEIGHED	LAUNCH
9f Instl. Elec. Cable Support	25-27524-6	2.93	64.75	106.82	108.97	x	AS WEIGHED	AS WEIGHED	LAUNCH
9g FMS 5-62 Instl. at Plant 77									

Use actual data for each skirt.

ENGINEERING CHANGE PROPOSAL (ECP) INCORPORATION
APPLICABLE TO WING II MISSILES 905-944

The following ECP's have not been incorporated into "Model Specification, Guided Missile Main Assemblage (S-133-1000-0-1)" dated 15 March 1963. However, the mass properties of these ECP's have been incorporated into this report unless otherwise noted. ECP's applicable to the CTLI components will be found in D2-13943-2, "Flight Article Mass Properties for CTLI Installations".

ECP NO. (WS-133A-BO-)	ECP TITLE	STAGE	WEIGHT CHANGE	WEIGHT CHANGE INCORPORATED IN THIS REPORT
620	Installation of Static Dissipators on Operational Missiles	1,2,3	-	Yes

SERIAL NUMBER: 0000353

6.1.1.1 ACTUAL WEIGHT RECORD - INTERSTAGE 2-3

WING: II

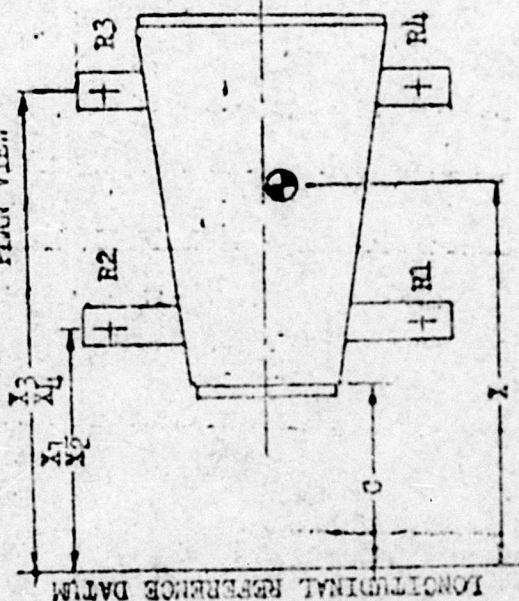
U/O MISSILE 911
MISSILE MODEL WS-133
CONFIGURATION TAN

DRAWING NO. 25-36103-1
DCH A
ADCN S-20

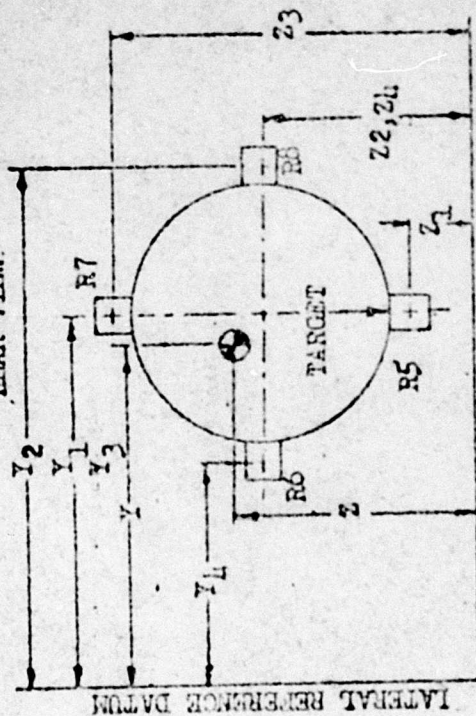
CHECK LIST NO. 7
REPORTED BY RS/RH/WB
CHECKED BY BM

REPORT NO. OPR-2225
PAGE NO.
DATE 9/11/63

PLAN VIEW



REAR VIEW



VERTICAL REFERENCE DATUM

WEIGHING DATA

LOCATION	CR. WT.	TARE	CORR.	NET WT.	REACTION	CR. WT.	TARE	CORR.	NET WT.	DEM.	LOCUS	DEM.	LOCUS	DEM.	LOCUS
R1	134.65	96.00		38.65	R5	81.35	31.00		50.35	X1	17.243	Y1	17.243	Z1	72.500
R2	82.80	40.10		42.70	R6	60.80	33.55		27.25	X2	17.251	Y2	17.251	Z2	100.000
R3	129.85	95.90		34.05	R7	86.90	31.00		55.90	X3	88.251	Y3	88.251	Z3	127.198
R4	80.90	39.40		41.50	R8	24.25	30.85		23.40	X4	88.251	Y4	88.251	Z4	100.000
TOTAL	428.30	271.40		156.90	TOTAL	283.30	126.40		156.90	C	50.00				

VERTICAL DATA

LONGITUDINAL C.G.

LOCATION	CR. WT.	TARE	CORR.	NET WT.	REACTION	CR. WT.	TARE	CORR.	NET WT.	AS WTD	AS WTD	AS WTD	AS WTD	AS WTD	AS WTD
R1	38.65	17.343		21.307	R5	50.35	100.000		50.35	50.35	72.500				
R2	42.70	17.354		25.346	R6	27.25	72.501		27.25	27.25	100.000				
R3	34.05	88.351		34.05	R7	55.90	100.000		55.90	55.90	127.198				
R4	41.50	88.351		41.50	R8	23.40	127.198		23.40	23.40	100.000				
AS WTD	156.90	67.09		10,526.7	AS WTD	156.90	99.33		15,584.1	156.90	100.97				15,842.5

VERTICAL C.G.

LOCATION	CR. WT.	TARE	CORR.	NET WT.	REACTION	CR. WT.	TARE	CORR.	NET WT.	AS WTD	AS WTD	AS WTD	AS WTD	AS WTD	AS WTD
R5	50.35	100.000		50.35	R5	50.35	72.500		50.35	50.35	72.500				
R6	27.25	72.501		27.25	R6	27.25	100.000		27.25	27.25	100.000				
R7	55.90	100.000		55.90	R7	55.90	127.198		55.90	55.90	127.198				
R8	23.40	127.198		23.40	R8	23.40	100.000		23.40	23.40	100.000				
AS WTD	156.90	99.33		15,584.1	AS WTD	156.90	100.97		156.90	156.90	100.97				15,842.5

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SERIAL NUMBER: 0000353

CHECK LIST NO.	6.1.1 MISSILE WEIGHING CHECK LIST	RECORD OF CHECKING (DATE)				MISSILE
		No	Day	Yr		
DATE 7-11-53	MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150					
SECTION 45	MISSILE NO. 911					
MISSILE COMPONENT BODY SECTION GUIDED MISSILE COMPONENT PART NO. Noted						
DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	
Door - Access, Ordnance	25-36102-1					
Interstage Assembly - Structural	25-36102-1					
Instr. Rack & Accelerometer	25-36159-4					
Marking Instr. - Section 45	25-36134-28					
Cover - Insulating	29-24652-2					
Cover - Insulating	29-25598-1					
Door - Access, Ordnance	(3) 29-22673-2					
Closure Panel Access, Booster Skirt	29-22081-5					
Door - Access, Ignitor Stage II	29-22361-4					
Closure Panel - Access, Ordnance	29-22512-2					
Door - Access, Detonator	26-11878-1					
Door - Access, Ignitor Stage III	26-11885-4					
Door - Access, CTD	26-12449-1					
Door - Access, Insulated	(2) 26-15247-2					
Bolt - 100° Head	(5) BAC BOM-2-3					
Bolt - 100° Head	(4) BAC BOM-3-4					
Bolt - 100° Head	(2) BAC BOM-4-5					
Bolt - 100° Head	(7) BAC BOM-5-7					
Bolt - 100° Head	(4) BAC BOM-4-10					
Bolt - 100° Head	(3) BAC BOM-5-3					
Bolt - 100° Head	(1) BAC BOM-4-4					
Bolt - 100° Head	(2) BAC BOM-4-13					
Insulation - Installed in Seattle	MS 5-62					
Flange Cover (185° - 195°)	25-36101-6					
Splice Cover (50° - 100°)	25-36103-18					
Sleeve - Damping, Ordnance	26-15123-1					
Sleeve - Damping, Ordnance	26-15123-2					
Cushion - Vibration	29-25567-1					

2-5550-0-21

BOEING

NO D2-13746-10

PAGE 52

SERIAL NUMBER: 0000353

CHECK LIST NO.	6.1.1 MISSILE WEIGHING CHECK LIST	RECORD OF CHECKING (DATE)			
		Mo	Day	Yr	
DATE	MODEL WS-123	9	11	63	
9-11-63	FINAL ASSEMBLY DRAWING NO. 21-50150				
SECTION 45		MISSILE NO. 911			
MISSILE COMPONENT BODY SECTION GUIDED MISSILE COMPONENT PART NO. Noted					
DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM
Body Section Assembly (Continued)	25-50150-1				
Insulation	IMS 5-62				

2-5550-0-21

BDEING

DE-13946-10

PAGE

WEIGHT AND BALANCE CHANGE RECORD

6.1.1

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2225
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HULL
SERIAL NO.	0000354	U.O. MISSILE	911	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD

WEIGHT AND BALANCE

DESCRIPTION OF EQUIPMENT

PART NO.

WEIGHT

X AXIS

Y AXIS

Z AXIS

ARM

MOMENT

ARM

MOMENT

ARM

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6.1.1.2 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(624)-046		REPORT NO.		OPR-2226	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		9/17/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000354		U.O. MISSILE		921		APPROVED		G. OGDARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36103-1	Body Section (As Weighed)		156.25		67.19	10,498.0	99.24	15,505.3	101.02	15,784.5
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36103-1	Body Section (Complete)		156.25		67.19	10,498.0	99.24	15,505.3	101.02	15,784.5
12											
13											
14											
15											
16											
17											
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6.1.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR **BOEING**
 COMPONENT **INTERSTAGE 2-3**
 MODEL NO. **WS-133**
 SERIAL NO. **0000355**

CONTRACT NO. **AF04(694)-046**
 LOT NO. **25-36103-1**
 DRAWING NO. **25-36103-1**
 U.O. MISSILE **935**

REPORT NO. **OPR-2227**
 DATE **9/30/63**
 PREPARED **JIM HILL**
 APPROVED **G. OGARD**

EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.00	66.97	10,515.1	99.40	15,606.5	101.05	15,864.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.00	66.97	10,515.1	99.40	15,606.5	101.05	15,864.9
12									
13									
14									
15									
16									
17									
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6.1.4 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2000	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		9/6/63	
MODEL NO.		WS-133		DRAWING NO.				PREPARED		JIM HILL	
SERIAL NO.		0000409		U.O. MISSILE		905		APPROVED		G. OGDARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1											
2	25-36103-1 Body Section (As Weighed)	157.15	67.16	10,555.0	99.29	15,603.6	100.91	15,857.9			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36103-1 Body Section (Complete)	157.15	67.16	10,555.0	99.29	15,603.6	100.91	15,857.9			
12											
13											
14											
15											
16											
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6.1.5 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2303
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/11/63
MODEL NO.	WS-111	DRAWING NO.	25-36103-1	PREPARED	JIM HULL
SERIAL NO.	0000410	U.O. MISSILE	908	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.15	67.09	10,542.6	99.33	15,609.1	100.94	15,863.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.15	67.09	10,542.6	99.33	15,609.1	100.94	15,863.4
12									
13									
14									
15									
16									
17									
18									
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6.1.6 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. MISSILE		APPROVED					
INTERSTAGE 2-3		AF04(694)-046		PR-2301					
MS-133		25-36103-1		9/6/63					
0000415		906		JDM HILL					
				G. OGARD					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.65	67.31	10,611.5	99.32	15,657.7	101.00	15,923.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.65	67.31	10,611.5	99.32	15,657.7	101.00	15,923.0
12									
13									
14									
15									
16									
17									
18									
19									
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6.1.7		WEIGHT AND BALANCE CHANGE RECORD																			
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.		X AXIS				Y AXIS				Z AXIS							
COMPONENT		LOT NO.		DATE		ARM				MOMENT				ARM				MOMENT			
MODEL NO.		DRAWING NO.		PREPARED																	
SERIAL NO.		U.O. MISSILE		APPROVED																	
BOEING		AF04(694)-046		OPR-2304																	
INTERSTAGE 2-3				9/6/63																	
WS-133		25-56103-1		JIM HILL																	
0000416		909		G. OGARD																	
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE																			
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	ARM	MOMENT	WEIGHT	ARM	MOMENT	WEIGHT	ARM	MOMENT	WEIGHT	ARM	MOMENT								
25-56103-1	Body Section (As Weighed)	156.75	67.36	10,558.6	99.35	15,573.2	100.92	15,819.3													
3																					
4																					
5	ADD:	0																			
6																					
7																					
8	DEDUCT:	0																			
9																					
10																					
11	25-56103-1 Body Section (Complete)	156.75	67.36	10,558.6	99.35	15,573.2	100.92	15,819.3													
12																					
13																					
14																					
15																					
16																					
17																					
18																					
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6.1.8		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AFOL(694)-046	REPORT NO.	OPR-2207
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	2/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JDM HILL
SERIAL NO.	0000-17	U.O. MISSILE	913	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	156.25	67.21	10,508.2	92.33	15,539.5	101.06	15,801.3
2	Body Section (As Weighed)							
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1	156.35	67.21	10,508.2	92.33	15,539.5	101.06	15,801.3
12	Body Section (Complete)							
13								
14								
15								
16								
17								
18								
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6.1.2 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFM (6.14) - END		REPORT NO.		OPR-2310	
COMPONENT		INTERSTAGE 2-3 LOT NO.		DRAWING NO.		25-6103-1		DATE PREPARED		9/16/63	
MODEL NO.		WS-13		J.O. MISSILE		916		APPROVED		G. OGARD	
SERIAL NO.		0000418									
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1	25-6103-1	156.20	67.25	10,503.8	99.22	15,497.6	101.03	15,780.8			
2											
3											
4		0									
5	ADD:										
6											
7		0									
8	DEDUCT:										
9											
10											
11	25-6103-1	156.20	67.25	10,503.8	99.22	15,497.6	101.03	15,780.8			
12											
13											
14											
15											
16											
17											
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6.1.1.10				WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(604)-047	
COMPONENT		INTERSTAGE 2-3		LOT NO.			
MODEL NO.		WS-133		DRAWING NO.		25-36103-1	
SERIAL NO.		0000419		U.O. MISSILE		919	
				REPORT NO. OPR-2413			
				DATE 2/16/63			
				PREPARED JIM HILL			
				APPROVED G. OGARD			

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			AFM	MOMENT	AFM	MOMENT	AFM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	157.35	67.22	10,576.7	99.28	15,622.2	100.95	15,884.8
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	157.35	67.22	10,576.7	99.28	15,622.2	100.95	15,884.8
12								
13								
14								
15								
16								
17								
18								
19								
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6.1.1.1		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(604)-146	REPORT NO.	OPR-2316
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/19/63
MODEL NO.	WS-153	DRAWING NO.	24-6103-1	PREPARED	JIM HILL
SERIAL NO.	0000420	U.O. MISSILE	923	APPROVED	G. D'GARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
ITEM	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-6103-1	Body Section (As Weighed)	137.20	67.22	10,567.6	29.38	12,622.3	101.01	15,878.1
3									
4		ADD:	0						
5									
6									
7		DEDUCT:	0						
8									
9									
10									
11	25-6103-1	Body Section (Complete)	157.29	67.22	10,567.6	29.38	12,622.3	101.01	15,878.1
12									
13									
14									
15									
16									
17									
18									
19									
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6.1.12		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFQ-60-1-146		REPORT NO.		OPR-2302	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		2/18/63	
MODEL NO.		WS-133		DRAWING NO.		25-6103-1		PREPARED		JIM HILL	
SERIAL NO.		0000422		U.O. MISSILE		507		APPROVED		G. UGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
				ARM		MOMENT		ARM		MOMENT	
1	25-6103-1	Body Section (As Weighed)		156.90	67.46	10,584.1	99.40	15,596.5	101.00	15,846.6	
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-6103-1	Body Section (Complete)		156.90	67.46	10,584.1	99.40	15,596.5	101.00	15,846.6	
12											
13											
14											
15											
16											
17											
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6.1.13		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF94(64)-046		REPORT NO.		QPR-2405	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		9/10/63	
MODEL NO.		WS-133		DRAWING NO.		20-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000426		U.S. MISSILE		210		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1	20-36103-1	157.10	67.37	10.585.4	29.27	12.925.9	101.01	15.868.0			
2											
3											
4											
5	ADD:										
6											
7											
8	DEDUCT:										
9											
10											
11	20-36103-1	157.10	67.37	10.585.4	29.27	12.925.9	101.01	15.868.0			
12											
13											
14											
15											
16											
17											
18											
19											
20											
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6.1.14		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR		CONTRACT NO.	REPORT NO.		OPR-2408
COMPONENT	BOEING	AFOL(694)-046	DATE	2/11/63	
MODEL NO.	INTERSTAGE 2-3	LOT 13.	PREPARED	JTM HULL	
SERIAL NO.	WS-113	DEMANT NO.	APPROVED	G. CGARD	
	0000027	U.C. MISSILE			
		914			

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE			
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	Y AXIS ARM	Z AXIS ARM
1					
2	Body Section (As Weighed)	157.20	67.18	10,561.4	99.28
3					
4					
5	ADD:				
6					
7	DEDUCT:				
8					
9					
10					
11	Body Section (Complete)	157.20	67.18	10,561.4	99.28
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
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27					
28					
29					
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31					
32					

6.1.15		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	APR(594)-046	REPORT NO.	OPR-2311						
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/12/63						
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL						
SERIAL NO.	0007476	U.S. MISSILE	917	APPROVED	G. O'CARD						

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	156.80	67.22	10,540.3	99.28	15,567.2	101.02	15,839.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	156.81	67.22	10,540.3	99.28	15,567.2	101.02	15,839.4
12								
13								
14								
15								
16								
17								
18								
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6.1.16

2-5550-0-11 R1

EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE			
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM MOMENT	Y AXIS ARM MOMENT	Z AXIS ARM MOMENT		
1							
2	25-36103-1 Body Section (As Weighed)	156.95	67.27 10,557.7	99.22 15,572.6	101.07 15,862.7		
3							
4		0					
5	ADD:						
6							
7		0					
8	DEDUCT:						
9							
10							
11	25-36103-1 Body Section (Complete)	156.95	67.27 10,557.7	99.22 15,572.6	101.07 15,862.7		
12							
13							
14							
15							
16							
17							
18							
19							
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32							

6.1.17		WEIGHT AND BALANCE CHANGE RECORD							
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>QPR-2317</u>					
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>9/17/63</u>					
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>JIM HILL</u>					
SERIAL NO. <u>000040</u>		U.O. MISSILE <u>924</u>		APPROVED <u>G. OGARD</u>					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.40	67.33	10,529.7	99.25	15,523.1	101.01	15,198.0
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10	25-36103-1	Body Section (Complete)	156.40	67.33	10,529.7	99.25	15,523.1	101.01	15,198.0
11									
12									
13									
14									
15									
16									
17									
18									
19									
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6 1.18		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR, BEING		CONTRACT NO.		REPORT NO.		DATE		PREPARED		APPROVED	
COMPONENT		LOT NO.		AF04(694)-046		OPR-2306		9/13/63		JIM HILL	
MODEL NO.		DRAWING NO.		25-36103-1						G. OGDARD	
SERIAL NO.		U.O. MISSILE		912							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1											
2	25-36103-1 Body Section (As Weighed)	136.95	67.31	10,163.2	99.25	15,576.7	101.01	15,853.0			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36103-1 Body Section (Complete)	136.95	67.31	10,163.2	99.25	15,576.7	101.01	15,853.0			
12											
13											
14											
15											
16											
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6.1.1.19		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OPR-2309
COMPONENT	INTERSTAGE 2-3	LOT NO.			DATE	9/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1		PREPARED	JIM HILL
SERIAL NO.	0000432	U.O. MISSILE	915		APPROVED	G. OGDEN

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS
			ARM	MOMENT	ARM	MOMENT	
1							
2	25-36103-1 Body Section (As Weighed)	156.85	67.28	10,553.0	99.28	15,572.2	100.99 15,840.3
3							
4							
5	ADD:	0					
6							
7							
8	DEDUCT:	0					
9							
10							
11	25-36103-1 Body Section (Complete)	156.85	67.28	10,553.0	99.28	15,572.2 100.99 15,840.3	
12							
13							
14							
15							
16							
17							
18							
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BOEING

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6.1.20 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04 (594) -046		REPORT NO.	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE	
MODEL NO.		W9-133		DRAWING NO.		25-36104-1		PREPARED	
SERIAL NO.		0000433		U.O. MISSILE		918		APPROVED	
								J. HILL	
								G. OGDEN	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.75	67.18	10,529.9	99.26	15,559.5	100.99	15,830.3
2									
3									
4									
5		ADD:	0.						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.75	67.18	10,529.9	99.26	15,559.5	100.99	15,830.3
12									
13									
14									
15									
16									
17									
18									
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WEIGHT AND BALANCE CHANGE RECORD											
6.1.1.21				WEIGHT AND BALANCE							
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(604)-016		REPORT NO.		OPR-2315	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		9/19/63	
MODEL NO.		WS-117		DRAWING NO.		25-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000434		U.O. MISSILE		922		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	25-36103-1	Body Section (As Weighed)	156.60	67.18	10,520.8	99.29	15,548.6	100.99	15,815.3		
2											
3											
4			0								
5		ADD:									
6											
7			0								
8		DEDUCT:									
9											
10			156.60	67.18	10,520.8	99.29	15,548.6	100.99	15,815.3		
11	25-36103-1	Body Section (Complete)									
12											
13											
14											
15											
16											
17											
18											
19											
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6.1.22		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2318
COMPONENT		INTERSTAGE 2-3		LOT NO.		DATE	9/24/63
MODEL NO.		WS-133		DRAWING NO.	25-36103-1	PREPARED	JIM HULL
SERIAL NO.		0000435		U.O. MISSILE	925	APPROVED	G. OGDEN

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.95	67.35	10,570.1	99.36	15,594.6	101.03	15,857.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.95	67.35	10,570.1	99.36	15,594.6	101.03	15,857.2
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
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6.1.23		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AFJ4(694)-046	REPORT NO.	OPR-2412
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000496	U.O. MISSILE	926	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	157.40	67.25	10,585.3	99.35	15,638.2	101.07	15,907.7
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	157.40	67.25	10,585.3	99.35	15,638.2	101.07	15,907.7
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
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6.1.24		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. APO11(694)-446		REPORT NO. OPR-2225							
COMPONENT INTERSTAGE 2-3		LOT NO.		DATE 9/26/63							
MODEL NO. WS-133		DRAWING NO. 25-36103-1		PREPARED JTM HILL							
SERIAL NO. 0000437		U.O. MISSILE		APPROVED G. OGDEN							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	126.15	67.04	10,489.0	99.37	12,546.0	100.97	15,797.5
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	126.15	67.04	10,489.0	99.37	12,546.0	100.97	15,797.5
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
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24									
25									
26									
27									
28									
29									
30									
31									
32									

6.1.25		WEIGHT AND BALANCE CHANGE RECORD										
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2328</u>								
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>9/27/63</u>								
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>JIM HILL</u>								
SERIAL NO. <u>0000-38</u>		U.C. MISSILE		APPROVED <u>G. OGDARD</u>								
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE										
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		ARM	MOMENT	ARM	MOMENT
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT				
1												
2	25-36103-1 Body Section (As Weighed)	157.15	67.11	10,546.8	99.35	15,613.2	100.94	15,862.0				
3												
4												
5	ADD:	0										
6												
7												
8	DEDUCT:	0										
9												
10												
11	25-36103-1 Body Section (Complete)	157.15	67.11	10,546.8	99.35	15,613.2	100.94	15,862.0				
12												
13												
14												
15												
16												
17												
18												
19												
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6.1.26		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OPR-2329
COMPONENT	INTERSTAGE 2-3	LOT NO.			DATE	9/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1		PREPARED	JIM HILL
SERIAL NO.	0000439	U.C. MISSILE	937		APPROVED	G. OGDARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36103-1 Body Section (As Weighed)	157.30	67.38	10,599.0	99.39	15,633.7	101.07	15,897.7
2								
3								
4		0						
5	ADD:							
6								
7		0						
8	DEDUCT:							
9								
10								
11	225-36103-1 Body Section (Complete)	157.30	67.38	10,599.0	99.39	15,633.7	101.07	15,897.7
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
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6.1.27		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AW-4(694)-046</u>		REPORT NO. <u>OPR-2334</u>							
COMPONENT <u>INTEGRATION 2-3</u>		LOT NO.		DATE <u>10/2/63</u>							
MODEL NO. <u>W8-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>JIM HILL</u>							
SERIAL NO. <u>0000440</u>		U.O. MISSILE <u>942</u>		APPROVED <u>G. O'NEAL</u>							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS				
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT			
1											
2	25-36103-1 Body Section (As Weighed)	157.40	67.24	10,583.2	99.36	15,639.6	101.04	15,903.5			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36103-1 Body Section (Complete)	157.40	67.24	10,583.2	99.36	15,639.6	101.04	15,903.5			
12											
13											
14											
15											
16											
17											
18											
19											
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6.1.28		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AFM(64)-046		REPORT NO.	OPR-2320
COMPONENT	INTERSTAGE 2-3	LOT NO.			DATE	9/24/63
MODEL NO.	WS-111	DRAWING NO.	25-36103-1		PREPARED	JTM HILL
SERIAL NO.	000041	U.O. MISSILE	927		APPROVED	G. OGDARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	157.05	67.26	10,562.6	99.36	15,604.6	101.09	15,875.4
2									
3									
4			0						
5		ADD:							
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.05	67.26	10,562.6	99.36	15,604.6	101.09	15,875.4
12									
13									
14									
15									
16									
17									
18									
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30									
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6.1.29		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(624)-046		REPORT NO.		PR-2322	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		9/23/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000442		U.O. MISSILE		929		APPROVED		G. OGDEN	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36103-1	Body Section (As Weighed)		156.55		67.33	10,540.9	99.27	15,540.8	101.07	15,828.7
2											
3											
4		ADD:		0							
5											
6											
7		DEDUCT:		0							
8											
9											
10											
11	25-36103-1	Body Section (Complete)		156.55		67.33	10,540.9	99.27	15,540.8	101.07	15,828.7
12											
13											
14											
15											
16											
17											
18											
19											
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29											
30											
31											
32											

6.1.30		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AFM4(604)-446	REPORT NO.	QIR-2426
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	2/26/61
MODEL NO.	WS-132	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000443	U.O. MISSILE	933	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1	155.85	67.48	10,516.0	92.35	15,484.6	101.02	15,744.4
3								
4		0						
5	ADD:							
6								
7		0						
8	DEDUCT:							
9								
10								
11	25-36103-1	155.85	67.48	10,516.0	92.35	15,484.6	101.02	15,744.4
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
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23								
24								
25								
26								
27								
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29								
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31								
32								

6.1.31		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.		DATE		PREPARED		APPROVED	
COMPONENT		LOT NO.		X AXIS		Y AXIS		Z AXIS			
MODEL NO.		DRAWING NO.		ARM		ARM		ARM			
SERIAL NO.		U.O. MISSILE		MOMENT		MOMENT		MOMENT			
1	25-36103-1	Body Section (As Weighed)	156.45	67.14	10,503.4	99.35	15,543.2	100.97	15,797.5		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	156.45	67.14	10,503.4	99.35	15,543.2	100.97	15,797.5		
12											
13											
14											
15											
16											
17											
18											
19											
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21											
22											
23											
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27											
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29											
30											
31											
32											

6.1.32		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AFD-6041-046</u>		REPORT NO. <u>OPR-2332</u>							
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>9/30/61</u>							
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>JIM HILL</u>							
SERIAL NO. <u>0000445</u>		U.O. MISSILE <u>940</u>		APPROVED <u>G. OGDARD</u>							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1											
2	25-36103-1	Body Section (As Weighed)	156.35	67.08	10,488.4	99.28	15,522.2	101.05	15,798.6		
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	156.35	67.08	10,488.4	99.28	15,522.2	101.05	15,798.6		
12											
13											
14											
15											
16											
17											
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6.1.13		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.	REPORT NO.		QPR-2132
COMPONENT INTERSTAGE 2-3		LOT NO.	DATE		10/3/63
MODEL NO. WS-133		DRAWING NO.	PREPARED		JIM HILL
SERIAL NO. 000046		U.O. MISSILE	APPROVED		G. OGDARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.20	67.22	10,499.9	99.34	15,516.8	100.96	15,769.9
2									
3									
4		ADD:	0						
5									
6									
7			0						
8		DEDUCT:							
9									
10									
11	25-36103-1	Body Section (Complete)	156.20	67.22	10,499.9	99.34	15,516.8	100.96	15,769.9
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
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6.1.1.0		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.		DATE		PREPARED		APPROVED	
BOEING		AFOM(694)-046		OPR-2421		9/23/63		JDM HILL		G. OGDARD	
INTERSTAGE 2-3		LOT NO.		Y AXIS		Z AXIS					
WS-133		DRAWING NO.		ARM		MOMENT		ARM		MOMENT	
MODEL NO.		25-36103-1									
SERIAL NO.		U.O. MISSILE									
0000451		928									
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS	Y AXIS	Z AXIS					
1	25-36103-1	Body Section (As Weighed)	156.60	67.42	10,557.7	99.33	15,555.5	101.07	15,827.7		
2											
3											
4			0								
5		ADD:									
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	156.60	67.42	10,557.7	99.33	15,555.5	101.07	15,827.7		
12											
13											
14											
15											
16											
17											
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29											
30											
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6.1.35		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AP04(694)-046		REPORT NO.	OPR-225
COMPONENT	INTERSTAGE 2-3	LOT NO.			DATE	9/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1		PREPARED	JTM HILL
SERIAL NO.	0000452	U.O. MISSILE	980		APPROVED	G. OGDEN

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.40	67.13	10,499.0	99.28	15,527.2	101.00	15,796.6
2									
3									
4			0						
5		ADD:							
6									
7			0						
8		DEDUCT:							
9									
10									
11	25-36103-1	Body Section (Complete)	156.40	67.13	10,499.0	99.28	15,527.2	101.00	15,796.6
12									
13									
14									
15									
16									
17									
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6.1.36		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AP04(694)-046	REPORT NO.	OPR-2327
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	10/2/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JTN HILL
SERIAL NO.	0000453	U.O. MISSILE	934	APPROVED	G. OGDON

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	156.95	67.35	10,570.1	99.39	15,598.7	101.04	15,858.5
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	156.95	67.35	10,570.1	99.39	15,598.7	101.04	15,858.5
12								
13								
14								
15								
16								
17								
18								
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6.1.37		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2331</u>	
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>10/1/63</u>	
MODEL NO. <u>WB-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>JDM HILL</u>	
SERIAL NO. <u>0000454</u>		U.O. MISSILE <u>939</u>		APPROVED <u>G. OGDEN</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.15	67.12	10,481.1	99.34	15,511.8	101.06	15,779.9
2									
3									
4		ADD:	0						
5									
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.15	67.12	10,481.1	99.34	15,511.8	101.06	15,779.9
12									
13									
14									
15									
16									
17									
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BOEING

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6.1.1.38		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.	
BOEING		AP04 (604) -046		OPR-2333	
COMPONENT		LOT NO.		DATE	
INTERSTAGE 2-3				10/3/63	
MODEL NO.		DRAWING NO.		PREPARED	
WB-133		25-36103-1		JIM HILL	
SERIAL NO.		U.O. MISSILE		APPROVED	
0000455		941		G. OGDARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	157.25	67.18	10,564.0	99.35	15,623.2	100.93	15,872.0
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.25	67.18	10,564.0	99.35	15,623.2	100.93	15,872.0
12									
13									
14									
15									
16									
17									
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BOEING

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6.I.39		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AP04(69A)-046		REPORT NO.		FR-2336	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		10/8/63	
MODEL NO.		WB-133		DRAWING NO.		25-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000456		U.O. MISSILE		944		APPROVED		G. OGDEN	
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT		
1	25-36103-1	Body Section (As Weighed)	156.45	67.26	10,523.8	99.34	15,541.8	101.05	15,810.0		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10	25-36103-1	Body Section (Complete)	156.45	67.26	10,523.8	99.34	15,541.8	101.05	15,810.0		
11											
12											
13											
14											
15											
16											
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6.1.40		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFQ4(694)-046		REPORT NO.		OPR-2424	
COMPONENT		INTERPAGE 2-3		LOT NO.				DATE		9/25/63	
MODEL NO.		WB-133		DRAWING NO.		25-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000523		U.O. MISSILE		931		APPROVED		G. OGDARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.65	67.31	10,543.6	99.34	15,561.8	101.00	15,821.7
2									
3									
4			0						
5		ADD:							
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.31	10,543.6	99.34	15,561.8	101.00	15,821.7
12									
13									
14									
15									
16									
17									
18									
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SERIAL NUMBER: 0000353

CHECK LIST NO.	6.2.1 MISSILE WEIGHING CHECK LIST	RECORD OF CHECKING (DATE)			
		Mo	Day	Yr	
DATE 9/11/63	MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150	9	11	63	
SECTION		COMPONENT			
MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted		MISSILE			
DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM
Body Section Assembly	25-36101-1				
Interstage Assembly - Structural	25-36100-1				
Marking Installation	25-30134-29				
Door - Access, Stage Separation	26-11886-1				
Door - Access, Booster	26-11888-1				
Door Assembly - Safe & Arm	29-20567-4				
Closure Panel - Access, Ordinance	29-28371-1				
Door - Access, Ordinance	(4) 29-28391-1				
Curer - Receptacle	29-22725-1				
Plug - Screw, Insulated	(2) 26-15247-1				
Closure Panel - Access, Ordinance	29-22311-7				
Bolt - 100° Head	BAC B O E M - 4-8				
Bolt - 100° Head	BAC B O E M - 4-11				
Bolt - 100° Head	(2) BAC B O E M - 4L-9				
Bolt - 100° Head	(2) BAC B O E M - 4-5				
Bolt - 100° Head	BAC B O E M - 3-4				
Bolt - 100° Head	(4) BAC B O E M - 3-3				
Bolt - 100° Head	(4) BAC B O E M - 4-10				
Bolt - 100° Head	BAC B O E M - 4-13				
Bolt - 100° Head	BAC B O E M - 4-20				
Bolt - 100° Head	BAC B O E M - 4L-16				
Bolt - 100° Head	BAC B O E M - 4-4				
Bolt - 100° Head	(12) BAC B O E M - 4-6				
Bolt - 100° Head	(2) BAC B O E M - 4L-11				
Bolt - 100° Head	(7) BAC B O E M - 4-7				
Bolt - 100° Head	BAC B O E M - 4-12				
Bolt - 100° Head	BAC B O E M - 3-12				
Bolt - Pen Head	(16) BAC B O E M - P4-1				
Washer	(22) AN500-116L				
Nut	(6) AN5019-A4W				

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SERIAL NUMBER: 0000353

CHECK LIST NO.	DATE	6.2.1 MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)			
		MODEL	FINAL ASSEMBLY DRAWING NO.	Mo	Day	Yr	
9/11/63		WB-133	21-50150				
SECTION 47		MISSILE NO. 911		COMPONENT			
MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted				MISSILE			
DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM		
Body Section Assembly (Continued)	25-36101-1						
Insulation - Installed in Seattle	BAS 5-62						
Seal, FWD Ring Splice	(2) 29-24180-4						
Insulation	BAS 5-62						

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6.2.1 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE	
MODEL NO.		WS-1J3		DRAWING NO.		25-36101-1		PREPARED	
SERIAL NO.		000353		U.O. MISSILE		911		APPROVED	
								JTM HILL	
								G. OGDEN	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
SMIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	342.80	77.88	26,671.3	99.57	34,134.2	100.29	34,378.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.80	77.88	26,671.3	99.57	34,134.2	100.29	34,378.8
12									
13									
14									
15									
16									
17									
18									
19									
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6.2.2 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046	REPORT NO. OPR-2226	
COMPONENT INTERSTAGE 1-2		LOT NO.	DATE 9/25/63	
MODEL NO. WS-133		DRAWING NO. 25-36101-1	PREPARED JIM HILL	
SERIAL NO. 0000354		U.O. MISSILE 921	APPROVED G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
		WEIGHT	X AXIS		Y AXIS		Z AXIS		
LINE	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	342.00	78.25	26,760.2	99.63	34,073.4	100.34	34,307.1
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.00	78.25	26,760.2	99.63	34,073.4	100.34	34,307.1
12									
13									
14									
15									
16									
17									
18									
19									
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6.2.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046	REPORT NO. OPR-2227	
COMPONENT INTERSTAGE 1-2		LOT NO.	DATE 9/19/63	
MODEL NO. WS-133		DRAWING NO. 25-36101-1	PREPARED JIM HILL	
SERIAL NO. 0000355		U.O. MISSILE 925	APPROVED G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
		WEIGHT	X AXIS		Y AXIS		Z AXIS		
LINE	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	341.30	77.94	26,599.7	99.54	33,974.6	100.23	34,208.1
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.30	77.94	26,599.7	99.54	33,974.6	100.23	34,208.1
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
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31									
32									

6.2.4		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(604)-046		REPORT NO.		OPR-2300	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/9/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JTM HULL	
SERIAL NO.		0000409		U.S. MISSILE		905		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1	225-36101-1	343.10	77.97	26,751.1	99.47	34,129.8	100.32	34,421.2			
2											
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	225-36101-1	343.10	77.97	26,751.1	99.47	34,129.8	100.32	34,421.2			
12											
13											
14											
15											
16											
17											
18											
19											
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6.2.5 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2303	
COMPONENT		INTERSTAGE 1-2 LOT NO.		DRAWING NO.		25-36101-1		DATE		9/10/63	
MODEL NO.		WS-133		U.O. MISSILE		0000410		PREPARED		J.M. HULL	
SERIAL NO.								APPROVED		G. GARD	
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	342.75	77.88	26,691.9	99.49	34,098.9	100.33	34,386.9		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	342.75	77.88	26,691.9	99.49	34,098.9	100.33	34,386.9		
12											
13											
14											
15											
16											
17											
18											
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6.2.6		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2301					
COMPONENT		INTERSTAGE 1-2		LOT NO.		DATE 7/9/63					
MODEL NO.		WS-133		DRAWING NO. 25-36101-1		PREPARED JIM HILL					
SERIAL NO.		0000415		U.O. MISSILE 906		APPROVED G. OGDEN					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		ARM	MOMENT
				LEN	MOMENT	LEN	MOMENT	LEN	MOMENT		
1	25-36101-1	Body Section (As Weighed)	342.30	77.89	26,660.8	99.48	34,051.2	100.39	34,361.8		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	342.30	77.89	26,660.8	99.48	34,051.2	100.39	34,361.8		
12											
13											
14											
15											
16											
17											
18											
19											
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6.2.7 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. MISSILE		APPROVED					
BOEING		AF04(694)-046		PR-2304					
IN EXISTENCE 1-2				9/17/63					
WS-133		25-36101-1		JDM HILL					
0000416		909		G. OGARD					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1	Body Section (As Weighed)	342.25	78.07	26,718.4	99.51	34,058.5	100.43	34,373.3	
2									
3									
4									
5	ADD:								
6									
7									
8	DEDUCT:								
9									
10	Body Section (Complete)	342.25	78.07	26,718.4	99.51	34,058.5	100.43	34,373.3	
11									
12									
13									
14									
15									
16									
17									
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6.2.9 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2310	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/19/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JPM HILL	
SERIAL NO.		0000418		U.O. MISSILE		916		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36101-1	Body Section (As Weighed)		340.90		78.01	26,595.1	99.60	33,953.9	100.29	34,190.1
2											
3											
4											
5		AID:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36101-1	Body Section (Complete)		340.90		78.01	26,595.1	99.60	33,953.9	100.29	34,190.1
12											
13											
14											
15											
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6.2.10		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2313	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/23/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000419		U.O. MISSILE		919		APPROVED		G. OGARD	
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT		
1											
2	25-36101-1	Body Section (As Weighed)	341.85	77.95	26,647.7	99.55	34,030.9	100.38	34,315.4		
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	341.85	77.95	26,647.7	99.55	34,030.9	100.38	34,315.4		
12											
13											
14											
15											
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6.2.11		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2316
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JTM FULL
SERIAL NO.	0000420	U.O. MISSILE	923	APPROVED	G. OGDEN

LINE	PART NO.	EQUIPMENT CHANGE RECORD	DESCRIPTION OF EQUIPMENT	WEIGHT AND BALANCE							
				WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1											
2	25-36101-1		Body Section (As Weighed)	341.25	77.96	26,603.3	99.56	33,975.1	100.37	34,251.3	
3											
4											
5			ADD:	0							
6											
7											
8			DEDUCT:	0							
9											
10											
11	25-36101-1		Body Section (Complete)	341.25	77.96	26,603.3	99.56	33,975.1	100.37	34,251.3	
12											
13											
14											
15											
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6.2.12 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>PR-2302</u>					
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/6/63</u>					
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JDM HILL</u>					
SERIAL NO. <u>0000425</u>		U.O. MISSILE <u>907</u>		APPROVED <u>C. OGAHO</u>					
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	342.05	77.83	26,621.6	99.60	34,067.4	100.34	34,321.7
2									
3									
4			0						
5		ADD:							
6									
7			0						
8		DEDUCT:							
9									
10									
11	25-36101-1	Body Section (Complete)	342.05	77.83	26,621.6	99.60	34,067.4	100.34	34,321.7
12									
13									
14									
15									
16									
17									
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6.2.13 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>PR-2305</u>					
COMPONENT <u>STAGE 1-2</u>		LOT NO.		DATE <u>9/6/63</u>					
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JDM HILL</u>					
SERIAL NO. <u>0000426</u>		U.O. MISSILE		APPROVED <u>G. OGDEN</u>					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	341.55	77.99	26,639.0	99.54	33,998.2	100.32	34,263.4
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.55	77.99	26,639.0	99.54	33,998.2	100.32	34,263.4
12									
13									
14									
15									
16									
17									
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6.2.14		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFO4(694)-046		REPORT NO.		CPR-2308	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/13/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000427		U.O. MISSILE		914		APPROVED		G. CGARD	
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT		
1	25-36101-1	Body Section (As Weighed)	342.30	77.96	26,684.8	99.47	34,084.4	100.39	34,604.6		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	342.30	77.96	26,684.8	99.47	34,084.4	100.39	34,604.6		
12											
13											
14											
15											
16											
17											
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6.2.15		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OPR-2311
COMPONENT	INTERSTAGE 1-2	LOT NO.			DATE	9/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1		PREPARED	JIM HILL
SERIAL NO.	0000428	U.O. MISSILE	917		APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	342.40	77.81	26,641.7	99.46	34,054.3	100.30	34,342.9
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	342.40	77.81	26,641.7	99.46	34,054.3	100.30	34,342.9
12								
13								
14								
15								
16								
17								
18								
19								
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21								
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6.2.16		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AP04(694)-046		REPORT NO.		OPR-2314	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/23/63	
MODEL NO.		WB-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000429		U.O. MISSILE		920		APPROVED		O. OGDEN	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	341.35	78.00	26,626.2	99.56	33,986.4	100.32	34,243.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	341.35	78.00	26,626.2	99.56	33,986.4	100.32	34,243.4
12								
13								
14								
15								
16								
17								
18								
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6.2.17 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OFR-2317	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/25/63	
MODEL NO.		WB-133		DRAWING NO.		25-36101-1		PREPARED		JDM HILL	
SERIAL NO.		0000430		U.O. MISSILE		924		APPROVED		G. OGAK	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	25-36101-1	Body Section (As Weighed)	341.45	78.19	26,697.2	99.62	34,015.7	100.35	34,264.4		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	341.45	78.19	26,697.2	99.62	34,015.7	100.35	34,264.4		
12											
13											
14											
15											
16											
17											
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6.2.18 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		B EING		CONTRACT NO.		REPORT NO.		OPR-2306	
COMPONENT		INTERPAGE 1-2		LOT NO.		DATE		9/10/63	
MODEL NO.		WS-132		DRAWING NO.		PREPARED		JIM HILL	
SERIAL NO.		0000431		U.O. MISSILE		APPROVED		G. GARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-46101-1	Body Section (As Weighed)	342.40	77.99	26,704.7	99.49	34,064.0	100.31	34,347.0
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-46101-1	Body Section (Complete)	342.40	77.99	26,704.7	99.49	34,064.0	100.31	34,347.0
12									
13									
14									
15									
16									
17									
18									
19									
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6.2.19		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2309							
COMPONENT INTERSTAGE 1-2		LOT NO.		DATE 9/13/63							
MODEL NO. WS-133		DRAWING NO. 25-6101-1		PREPARED JIM HILL							
SERIAL NO. 0000432		U.O. MISSILE		APPROVED G. OGARD							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT		
1	25-6101-1	Body Section (As Weighed)	340.95	77.94	26,573.6	99.41	33,892.8	100.35	34,215.8		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-6101-1	Body Section (Complete)	340.95	77.94	26,573.6	99.41	33,892.8	100.35	34,215.8		
12											
13											
14											
15											
16											
17											
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6.2.20 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED	
SERIAL NO.		0000433		U.O. MISSILE		918		APPROVED	
								JIM HILL	
								G. OGARD	
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT
1	25-36101-1	Body Section (As Weighed)	139.90	78.16	26,567.0	99.61	33,864.8	100.26	34,079.1
2									
3									
4		ADD:	0						
5									
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (excludes)	139.90	78.16	26,567.0	99.61	33,864.8	100.26	34,079.1
12									
13									
14									
15									
16									
17									
18									
19									
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30									
31									
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6.2.21 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OFR-2315	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/23/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000434		U.O. MISSILE		922		APPROVED		G. OGDARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36101-1	Body Section (As Weighed)	341.75	77.85	26,603.8	99.57	34,026.4	100.35	34,294.5		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	341.75	77.85	26,603.8	99.57	34,026.4	100.35	34,294.5		
12											
13											
14											
15											
16											
17											
18											
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6.2.22 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFOL(694)-046		REPORT NO.		OPR-2318	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/26/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000435		U.O. MISSILE		925		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT		
1	25-36101-1	Body Section (As Weighed)	341.60	78.21	26,716.5	99.61	34,028.0	100.27	34,253.3		
2											
3											
4			0								
5		ADD:									
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	341.60	78.21	26,716.5	99.61	34,028.0	100.27	34,253.3		
12											
13											
14											
15											
16											
17											
18											
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6.2.23		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2319</u>							
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/25/63</u>							
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JIM HILL</u>							
SERIAL NO. <u>0000436</u>		U.O. MISSILE		APPROVED <u>G. OGARD</u>							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.65	78.15	26,700.9	99.57	34,019.2	100.33	34,276.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.65	78.15	26,700.9	99.57	34,019.2	100.33	34,276.2
12									
13									
14									
15									
16									
17									
18									
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6.2.24		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2525			
COMPONENT INTERSTAGE 1-2		LOT NO.				DATE		9/19/63			
MODEL NO. WB-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL			
SERIAL NO. 0000437		U.O. MISSILE		932		APPROVED		O. OGDEN			

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	341.65	78.14	26,694.9	99.61	34,030.2	100.33	34,278.9
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.65	78.14	26,694.9	99.61	34,030.2	100.33	34,278.9
12									
13									
14									
15									
16									
17									
18									
19									
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WEIGHT AND BALANCE CHANGE RECORD

6.2.25

ASSOCIATE CONTRACTOR <u>ROKING</u>		CONTRACT NO. <u>AF04 (694) -046</u>		REPORT NO. <u>OPR-2328</u>				
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/26/63</u>				
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JIM HILL</u>				
SERIAL NO. <u>0000438</u>		U.O. MISSILE		APPROVED <u>G. OGDEN</u>				
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	340.70	78.30	26,675.3	99.74	33,981.9	100.20	34,138.5
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1	340.70	78.30	26,675.3	99.74	33,981.9	100.20	34,138.5
12								
13								
14								
15								
16								
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6.2.26		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2329	
COMPONENT INTERSTAGE 1-2		LOT NO.		DATE 10/1/63	
MODEL NO. MS-133		DRAWING NO. 25-36101-1		PREPARED JIM HILL	
SERIAL NO. 0000439		U.O. MISSILE 937		APPROVED G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	340.05	77.93	26,499.4	99.68	33,894.9	100.26	34,094.2
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.05	77.93	26,499.4	99.68	33,894.9	100.26	34,094.2
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

6.2.27		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2334</u>							
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>10/3/63</u>							
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JIM HILL</u>							
SERIAL NO. <u>0000440</u>		U.O. MISSILE <u>942</u>		APPROVED <u>G. OGDEN</u>							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	341.40	77.90	26,595.7	99.63	34,014.8	100.23	34,218.2
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.40	77.90	26,595.7	99.63	34,014.8	100.23	34,218.2
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
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25									
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30									
31									
32									

6.2.28 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(604)-046		REPORT NO.		OPR-2320	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		9/19/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000441		U.O. MISSILE		927		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1	25-36101-1	340.40	77.97	26,540.6	99.46	33,857.1	100.36	34,162.1			
2	Body Section (As Weighed)										
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36101-1	340.40	77.97	26,540.6	99.46	33,857.1	100.36	34,162.1			
12	Body Section (Complete)										
13											
14											
15											
16											
17											
18											
19											
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6.2.29		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AFC4(694)-046</u>		REPORT NO. <u>OPR-2322</u>							
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/26/63</u>							
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JDM HILL</u>							
SERIAL NO. <u>0000442</u>		U.O. MISSILE <u>929</u>		APPROVED <u>G. OGARD</u>							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	343.30	78.34	26,892.9	99.56	34,178.7	100.30	34,431.5
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	343.30	78.34	26,892.9	99.56	34,178.7	100.30	34,431.5
12								
13								
14								
15								
16								
17								
18								
19								
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6.2.30		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2326</u>							
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/25/63</u>							
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JIM HILL</u>							
SERIAL NO. <u>0000443</u>		U.O. MISSILE <u>933</u>		APPROVED <u>G. OGARD</u>							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS				
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT			
1											
2	25-36101-1 Body Section (As Weighed)	342.40	78.10	26,740.8	99.68	34,131.3	100.27	34,331.9			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36101-1 Body Section (Complete)	342.40	78.10	26,740.8	99.68	34,131.3	100.27	34,331.9			
12											
13											
14											
15											
16											
17											
18											
19											
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6.2.31		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2330</u>							
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/30/63</u>							
MODEL NO. <u>WB-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JTM HILL</u>							
SERIAL NO. <u>0000444</u>		U.O. MISSILE <u>938</u>		APPROVED <u>G. OGDEN</u>							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.40	77.91	26,519.6	99.62	33,910.6	100.36	34,160.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.40	77.91	26,519.6	99.62	33,910.6	100.36	34,160.9
12									
13									
14									
15									
16									
17									
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6.2.32 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		REPORT NO.	CONTRACT NO.		WEIGHT AND BALANCE		WEIGHT AND BALANCE		
COMPONENT		DATE	LOT NO.		X AXIS		Y AXIS		
MODEL NO.		PREPARED	DRAWING NO.		ARM		MOMENT		
SERIAL NO.		APPROVED	U.O. MISSILE		ARM		MOMENT		
1	25-36101-1	OPR-2332	340.60	77.86	26,517.4	99.56	33,911.4	100.24	34,142.3
2	Body Section (As Weighed)	10/3/61							
3		JIM HILL							
4		G. OGDEN							
5	ADD:		0						
6									
7									
8	DEDUCT:		0						
9									
10									
11	25-36101-1		340.60	77.86	26,517.4	99.56	33,911.4	100.24	34,142.3
12	Body Section (Complete)								
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
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29									
30									
31									
32									

6.2.33		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OPR-2335
COMPONENT	INTERSTAGE 1-2	LOT NO.			DATE	10/8/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1		PREPARED	JIM HULL
SERIAL NO.	0000446	U.O. MISSILE	943		APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	342.80	77.81	26,673.4	99.65	34,158.9	100.34	34,398.1
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	342.80	77.81	26,673.4	99.65	34,158.9	100.34	34,398.1
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
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31								
32								

6.2.34		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AP04(694)-046</u>		REPORT NO. <u>QPR-2321</u>	
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/16/63</u>	
MODEL NO. <u>WB-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JTM HILL</u>	
SERIAL NO. <u>0000421</u>		U.O. MISSILE <u>928</u>		APPROVED <u>G. OGAARD</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	340.05	78.03	26,535.4	99.41	33,805.5	100.36	34,128.6
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.05	78.03	26,535.4	99.41	33,805.5	100.36	34,128.6
12									
13									
14									
15									
16									
17									
18									
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29									
30									
31									
32									

6.2.35		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OPR-2323
COMPONENT	INTERSTAGE 1-2	LOT NO.			DATE	9/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1		PREPARED	JDM HILL
SERIAL NO.	0000452	U.O. MISSILE	930		APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	341.00	77.86	26,549.0	99.35	33,879.9	100.39	34,234.5
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.00	77.86	26,549.0	99.35	33,879.9	100.39	34,234.5
12									
13									
14									
15									
16									
17									
18									
19									
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30									
31									
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6.2.36		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OFR-2327
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM ALL
SERIAL NO.	0000453	U.O. MISSILE	934	APPROVED	G. OGDEN

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	339.45	78.01	26,482.0	99.58	33,802.0	100.29	34,042.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	339.45	78.01	26,482.0	99.58	33,802.0	100.29	34,042.4
12								
13								
14								
15								
16								
17								
18								
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6.2.37		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.	AF04(694)-046		REPORT NO.
COMPONENT INTERSTAGE 1-2		LOT NO.			DATE
MODEL NO. WS-133		DRAWING NO.	25-36101-1		PREPARED
SERIAL NO. 0000454		U.O. MISSILE	939		APPROVED
					JDM HILL
					G. OGDARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.30	77.90	26,587.7	99.61	33,997.9	100.39	34,261.8
3									
4									
5		ADD:	0.						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.30	77.90	26,587.7	99.61	33,997.9	100.39	34,261.8
12									
13									
14									
15									
16									
17									
18									
19									
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32									

6.2.38		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR		BOEING		REPORT NO. OPR-2333	
COMPONENT		INTERSTAGE 1-2		DATE 10/4/63	
MODEL NO.		WS-133		PREPARED JIM HILL	
SERIAL NO.		0000455		APPROVED G. OGARD	
CONTRACT NO. AF04(694)-046					
LOT NO.					
DRAWING NO. 25-36101-1					
U.O. MISSILE 941					

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	341.85	78.00	26,662.7	99.54	34,028.2	100.28	34,282.4
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.85	78.00	26,662.7	99.54	34,028.2	100.28	34,282.4
12									
13									
14									
15									
16									
17									
18									
19									
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25									
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6.2.39 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2336	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		10/4/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HULL	
SERIAL NO.		0000456		U.O. MISSILE		944		APPROVED		G. OGDARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	225-36101-1	Body Section (As Weighed)		342.15		77.99	26,683.5	99.58	34,072.0	100.29	34,315.1
2											
3											
4		ADD:		0							
5											
6											
7											
8		DEDUCT:		0							
9											
10											
11	225-36101-1	Body Section (Complete)		342.15		77.99	26,683.5	99.58	34,072.0	100.29	34,315.1
12											
13											
14											
15											
16											
17											
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6.2.40		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2424</u>							
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>9/20/63</u>							
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36080-1</u>		PREPARED <u>JTM HULL</u>							
SERIAL NO. <u>0000523</u>		U.O. MISSILE <u>931</u>		APPROVED <u>G. OGDARD</u>							

LINE	EQUIPMENT CHANGE RECORD	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	341.00	77.87	26,552.0	99.55	33,946.3	100.33	34,211.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	341.00	77.87	26,552.0	99.55	33,946.3	100.33	34,211.1
12									
13									
14									
15									
16									
17									
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2-7824-0-32

SERIAL NO. 0000353		6.3.1 ACTUAL WEIGHT RECORD - SKIRT		*TNG II	
U/O MISSILE 911		DRAWING NO. 25-36080-1		CHECK LIST NO.	
MISSILE MODEL MS-133		DCN E		REPORTED BY RS/RH/WB	
CONFIGURATION TAH		ADON S-21		CHECKED BY BW	
REPORT NO. QPR-2225		PAGE NO. 9/11/63		DATE	

LONGITUDINAL REFERENCE DATUM

LATERAL REFERENCE DATUM

VERTICAL REFERENCE DATUM

WEIGHING DATA					DIMENSIONAL DATA				
REACTION	GR. WT.	TAPE	COER. NET WT.	REACTION	GR. WT.	TAPE	COER. NET WT.	DIM. INCHES	DIM. INCHES
R1	131.95	52.50	79.45	R5	121.35	61.35	62.00	A1	52.353
R2	97.25	20.15	77.10	R6	193.85	124.70	75.15	A2	52.354
R3	170.15	107.20	62.95	R7	174.05	98.40	75.65	B3	89.854
R4	192.20	119.60	60.30	R8	102.00	35.70	66.30	B4	89.854
TOTAL	592.25	320.15	272.10	TOTAL	522.25	320.15	272.10	C	50.00
								D	100.00

LONGITUDINAL C.G.				LATERAL C.G.				VERTICAL C.G.			
REACTION	NET WT.	ARM	MOMENT	REACTION	NET WT.	ARM	MOMENT	REACTION	NET WT.	ARM	MOMENT
R1	79.45	52.353		R5	62.00	63.752		R5	62.00	63.752	
R2	77.10	52.354		R6	75.15	136.253		R6	75.15	63.698	
R3	62.95	89.854		R7	75.65	63.727		R7	75.65	136.160	
R4	60.30	89.854		R8	66.30	136.229		R8	66.30	136.169	
AS WGD	279.10	68.82	19,237.5	AS WGD	279.10	100.48	28,045.0	AS WGD	279.10	100.55	28,064.1

BOEING

2-13246-10

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SERIAL NUMBER: 0000353

MISSILE WEIGHING CHECK LIST

FINAL ASSEMBLY DRAWING NO. 21-50150

CHECK LIST NO.

MODEL WS-133

9/11/63

MISSILE NO. 911

NOTES
67

MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted

CHECK LIST NO.	DATE	6.3.1	MISSILE WEIGHING CHECK LIST	RECORD OF CHECKING (DATE)				MISSILE
				Mo	Day	Yr		
	9/11/63	MODEL WS-133	FINAL ASSEMBLY DRAWING NO. 21-50150					
SECTION 49				MISSILE NO. 911				
MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted								
ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED
	Body Section Assembly	25-36080-1						
	Skirt Assy - Structural	25-36080-1						
	Support Bracket CAC & Ctrl Conn.	25-37345-1						
	" (OPTIONAL)	25-37345-3						
	Bracket CAC Cable	29-28033-1						
	Bracket - Clamp CAC Cable	25-36624-1						
	Bracket - Cable Support	29-28847-5						
	Bracket - Cable Support	29-28847-2						
	Screw	(4) NAS 514P832-8						
	Screw	(4) NAS 603-10						
	Engine Door Seal	29-13439						
	Marking Installation	25-30134-30						
	Insulation	RMS 5-62						
	Base Ring Splice	(2) 29-30345-1						

2-5550-0-21

BOEING

NO. D2-13946-10

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6.3.1 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. MISSILE		APPROVED					
BOEING		AF04(694)-046		OFR-2225					
SKIRT				9/11/63					
WS-133		25-36080-1		JIM HILL					
0000353		911		G. OGARD					

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	279.10	68.82	19,207.5	100.48	28,045.0	100.55	28,064.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	279.10	68.82	19,207.5	100.48	28,045.0	100.55	28,064.3
12									
13									
14									
15									
16									
17									
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BOEING

NO D2-139.6 10

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6.3.2		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AP04(694)-046	REPORT NO.	PR-2226
COMPONENT	SKIRT	LOT NO.		DATE	9/18/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JDM HILL
SERIAL NO.	0000354	U.O. MISSILE	921	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	275.90	68.93	19,017.5	100.56	27,743.1	100.1	27,730.1
2									
3									
4			0						
5		ADD:							
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.90	68.93	19,017.5	100.56	27,743.1	100.51	27,739.1
12									
13									
14									
15									
16									
17									
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6.3.3		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(64)-046		REPORT NO. QPR-2227			
COMPONENT SKIRT		LOT NO.		DATE 9/27/63			
MODEL NO. WS-133		DRAWING NO. 25-36080-1		PREPARED JTM HILL			
SERIAL NO. 0000355		U.O. MISSILE 935		APPROVED G. OGDEN			

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.70	68.72	19,014.4	100.53	27,815.9	100.68	27,857.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.70	68.72	19,014.4	100.53	27,815.9	100.68	27,857.1
12									
13									
14									
15									
16									
17									
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6.3.4 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. MISSILE		APPROVED					
BOEING		AF04(694)-046		QPR-2300					
SKIRT				9/3/63					
WB-133		25-36080-1		JDM HILL					
0000409		905		G. OGARD					
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	274.95	68.88	18,939.7	100.56	27,649.9	100.74	27,698.6
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.95	68.88	18,939.7	100.56	27,649.9	100.74	27,698.6
12									
13									
14									
15									
16									
17									
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6.3.5 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. MISSILE		APPROVED					
BOEING		AF04(694)-046		OPR-2403					
SCIT				9/5/63					
WB-133		25-36080-1		JIM HILL					
0000410		908		G. OCAFO					
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	275.70	68.86	18,984.5	100.53	27,715.9	100.59	27,731.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.70	68.86	18,984.5	100.53	27,715.9	100.59	27,731.8
12									
13									
14									
15									
16									
17									
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6.3.6 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OFR-2301
COMPONENT	SHORT	LOT NO.		DATE	9/4/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JTM HILL
SERIAL NO.	0000415	U.O. MISSILE	906	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE					
		WEIGHT	X AXIS		Y AXIS		Z AXIS
PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	MOMENT
1							
2	Body Section (As Weighed)	275.45	68.88	18,973.3	100.33	27,634.7	27,715.9
3							
4							
5	ADD:	0					
6							
7							
8	DEDUCT:	0					
9							
10							
11	Body Section (Complete)	275.45	68.88	18,973.3	100.33	27,634.7	27,715.9
12							
13							
14							
15							
16							
17							
18							
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6.3.7 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2304	
COMPONENT		SKIRT		LOT NO.				DATE		9/11/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JDM HILL	
SERIAL NO.		0000416		U.O. MISSILE		909		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1											
2	25-36080-1	Body Section (As Weighed)	277.85	68.81	19,119.6	100.43	27,903.7	100.68	27,973.8		
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	277.85	68.81	19,119.6	100.43	27,903.7	100.68	27,973.8		
12											
13											
14											
15											
16											
17											
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6.3.8 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2307
COMPONENT	SKIRT	LOT NO.		DATE	9/12/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000417	U.O. MISSILE	913	APPROVED	G. OGARD.

EQUIPMENT CHANGE RECORD		WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1	280.55	68.85	12,315.3	100.57	28,213.5	100.56	28,211.0
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1	280.55	68.85	12,315.3	100.57	28,213.5	100.56	28,211.0
12								
13								
14								
15								
16								
17								
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19								
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29								
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6.3.9 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2310
COMPONENT	SKIFT	LOT NO.		DATE	9/12/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000418	U.O. MISSILE	916	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD

WEIGHT AND BALANCE

PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	277.65	68.91	19,131.6	100.51	27,905.4	100.55	27,917.6
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	277.65	68.91	19,131.6	100.51	27,905.4	100.55	27,917.6
12								
13								
14								
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29								
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31								
32								



6.3.10 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	<u>BOEING</u>	CONTRACT NO.	<u>AF04(694)-046</u>	REPORT NO.	<u>OPR-2313</u>
COMPONENT	<u>SKIRT</u>	LOT NO.		DATE	<u>9/12/63</u>
MODEL NO.	<u>MS-133</u>	DRAWING NO.	<u>25-36080-1</u>	PREPARED	<u>JDM HILL</u>
SERIAL NO.	<u>0000419</u>	U.O. MISSILE	<u>919</u>	APPROVED	<u>G. OGARD</u>

EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.05	68.84	19,002.9	100.55	27,756.3	100.55	27,757.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.05	68.84	19,002.9	100.55	27,756.3	100.55	27,757.7
12									
13									
14									
15									
16									
17									
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6.3.11 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	<u>BOEING</u>	CONTRACT NO.	<u>AF04(694)-046</u>	REPORT NO.	<u>OPR-2316</u>
COMPONENT	<u>SHORT</u>	LOT NO.		DATE	<u>9/20/63</u>
MODEL NO.	<u>WS-133</u>	DRAWING NO.	<u>25-36080-1</u>	PREPARED	<u>JIM HILL</u>
SERIAL NO.	<u>0000420</u>	U.O. MISSILE	<u>923</u>	APPROVED	<u>G. OGARD</u>

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36080-1 Body Section (As Weighed)	279.10	68.80	19,201.9	100.60	28,077.6	100.50	28,049.9	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (Complete)	279.10	68.80	19,201.9	100.60	28,077.6	100.50	28,049.9	
12									
13									
14									
15									
16									
17									
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6.3.12 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2302
COMPONENT	SKIRT	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JDM HILL
SERIAL NO.	0000425	U.O. MISSILE	907	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	275.15	68.90	18,957.6	100.48	27,648.2	100.65	27,693.2
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	275.15	68.90	18,957.6	100.48	27,648.2	100.65	27,693.2
12								
13								
14								
15								
16								
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6.3.13		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		B EING		CONTRACT NO.		APOL (694)-046		REPORT NO.		OPR-2405	
COMPONENT		SKIPT		LOT NO.				DATE		9/5/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JIM HULL	
SERIAL NO.		0000426		U.O. MISSILE		910		APPROVED		G. CARD	
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT		
1											
2	25-36080-1	Body Section (As Weighed)	278.00	68.23	19,161.2	100.58	27,960.4	100.54	27,950.8		
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	278.00	68.23	19,161.2	100.58	27,960.4	100.54	27,950.8		
12											
13											
14											
15											
16											
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BOEING

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6.3.14 WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.	REPORT NO.
COMPONENT	SKIRT	APC4(694)-046	OPR-2308
MODEL NO.	WS-133	LOT NO.	DATE
SERIAL NO.	0000427	DRAWING NO.	2/12/61
	U.C. MISSILE	25-36080-1	JDM HILL
		914	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE				
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM MOMENT	Y AXIS ARM MOMENT	Z AXIS ARM MOMENT	
1	25-36080-1 Body Section (As Weighed)	272.20	68.87	19,227.8	100.44	28,044.1
2						100.62
3						28,092.4
4						
5	ADD:	0				
6						
7						
8	DEDUCT:	0				
9						
10						
11	25-36080-1 Body Section (Complete)	272.20	68.87	19,227.8	100.44	28,044.1
12						100.62
13						28,092.4
14						
15						
16						
17						
18						
19						
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23						
24						
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6.3.15				WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR		REPORT NO.		CONTRACT NO.		AFM (69-)-046	
COMPONENT		DATE		LOT NO.			
MODEL NO.		PREPARED		DRAWING NO.			
SERIAL NO.		APPROVED		U.O. MISSILE			
		2/18/69		25-36080-1		917	
		JDM HULL					
		G. OGARD					

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				AFM	MOMENT	AFM	MOMENT	AFM	MOMENT
1	25-36080-1	Body Section (As Weighed)	278.25	68.78	19,160.0	100.45	27,980.9	100.63	28,029.3
2									
3									
4			0						
5		ADD:							
6									
7			0						
8		DEDUCT:							
9									
10	25-36080-1	Body Section (Complete)	278.25	68.78	19,160.0	100.45	27,980.9	100.63	28,029.3
11									
12									
13									
14									
15									
16									
17									
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WEIGHT AND BALANCE CHANGE RECORD									
6.3.16		WEIGHT AND BALANCE CHANGE RECORD		REPORT NO.		OPR-2314			
ASSOCIATE CONTRACTOR		CONTRACT NO.		DATE		9/18/63			
COMPONENT		LOT NO.		PREPARED		JIM HILL			
MODEL NO.		DRAWING NO.		APPROVED		G. OGARD			
SERIAL NO.		U.O. MISSILE		920					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1	2-15600-1 Body Section (As Weighed)	278.95	68.94	19,169.4	100.60	27,970.8	100.60	27,972.1	
2									
3									
4		0							
5	ADD:								
6									
7		0							
8	DEDUCT:								
9									
10	2-15600-1 Body Section (Complete)	278.95	68.94	19,169.4	100.60	27,970.8	100.60	27,972.1	
11									
12									
13									
14									
15									
16									
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BOEING

6.3.17 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.	
COMPONENT		LOT NO.		DATE	
MODEL NO.		DRAWING NO.		PREPARED	
SERIAL NO.		U.O. MISSILE		APPROVED	
BOKING		AF04(694)-046		OPR-2317	
SECRET				9/20/63	
WS-133		25-36080-1		JIM HILL	
0000430		924		G. OGDARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.95	68.25	18,958.4	100.50	27,631.8	100.60	27,658.7
3									
4			0						
5		ADD:							
6									
7			0						
8		DEDUCT:							
9									
10									
11	25-36080-1	Body Section (Complete)	274.95	68.95	18,958.4	100.50	27,631.8	100.60	27,658.7
12									
13									
14									
15									
16									
17									
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6.3.18 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		SKIRT		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-16080-1		PREPARED	
SERIAL NO.		0000431		U.S. MISSILE		912		APPROVED	
								G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-16080-1 Body Section (As Weighed)	278.50	68.83	12,168.6	100.62	28,041.0	100.55	28,004.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-16080-1 Body Section (Complete)	278.50	68.83	12,168.6	100.62	28,041.0	100.55	28,004.4
12								
13								
14								
15								
16								
17								
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6.3.19 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(624)-046		REPORT NO.	
COMPONENT		SKIRT		LOT NO.				DATE	
MODEL NO.		WS-13		DRAWING NO.		25-36080-1		PREPARED	
SERIAL NO.		000432		U.O. MISSILE		215		APPROVED	
								JTM HULL	
								G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-3608-1 Body Section (As Weighed)	279.25	68.58	19,282.1	100.51	28,139.0	100.56	28,151.1
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-3608-1 Body Section (Complete)	279.25	68.58	19,282.1	100.51	28,139.0	100.56	28,151.1
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
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6.3.20		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(62)-0-6	REPORT NO.	OPR-2312
COMPONENT	SIGHT	LOT NO.		DATE	9/18/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000433	U.O. MISSILE	918	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	276.00	68.87	19,007.1	100.67	27,785.8	100.35	27,696.6
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	276.00	68.87	19,007.1	100.67	27,785.8	100.35	27,696.6
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
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6.3.21		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFM (694)-046		REPORT NO.		OPR-2315	
COMPONENT		SKIRT		LOT NO.				DATE		9/17/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JIM HULL	
SERIAL NO.		0000434		U.O. MISSILE		922		APPROVED		G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	275.90	68.94	19,019.4	100.55	27,743.1	100.67	21,713.6
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.90	68.94	19,019.4	100.55	27,743.1	100.67	21,713.6
12									
13									
14									
15									
16									
17									
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6.3.22 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2318	
COMPONENT		SHORT		LOT NO.				DATE		9/20/63	
MODEL NO.		WB-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000435		U.O. MISSILE		925		APPROVED		G. OGDEN	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
				ARM		MOMENT		ARM		MOMENT	
1	25-36080-1	Body Section (As Weighed)		275.75	68.85	18,985.3	100.39	27,682.8	100.61	27,742.2	
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		275.75	68.85	18,985.3	100.39	27,682.8	100.61	27,742.2	
12											
13											
14											
15											
16											
17											
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6.3.23 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. MISSILE		APPROVED					
BOEING		AF04 (694) -046		OPR-2319					
SKIRT				9/20/63					
WS-133		25-36080-1		JDM HILL					
0000436		926		G. OGARD					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1									
2	25-36080-1 Body Section (As Weighed)	276.35	68.92	19,046.7	100.44	27,757.3	100.56	27,791.3	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (Complete)	276.35	68.92	19,046.7	100.44	27,757.3	100.56	27,791.3	
12									
13									
14									
15									
16									
17									
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2-5550-0-11 R1

6.3.24 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(604)-046	REPORT NO.	OPR-2325
COMPONENT	SKIRT	LOT NO.		DATE	9/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000437	U.O. MISSILE	932	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.65	68.90	19,060.5	100.48	27,798.2	100.59	27,817.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.65	68.90	19,060.5	100.48	27,798.2	100.59	27,817.7
12									
13									
14									
15									
16									
17									
18									
19									
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30									
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32									

6.3.25 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFM4(694)-046		REPORT NO.		QPR-2328	
COMPONENT		SHORT		LOT NO.				DATE		10/1/63	
MODEL NO.		WB-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000438		U.O. MISSILE		936		APPROVED		G. OGDEN	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36080-1	Body Section (As Weighed)		276.95		68.90	19,081.9	100.38	27,799.2	100.70	27,887.5
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		276.95		68.90	19,081.9	100.38	27,799.2	100.70	27,887.5
12											
13											
14											
15											
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6.3.26		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AP04(694)-046	REPORT NO.	OPR-2329
COMPONENT	SKIRT	LOT NO.		DATE	9/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000439	U.O. MISSILE	937	APPROVED	G. OGDEN

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	273.95	68.83	18,855.4	100.51	27,535.5	100.60	27,558.8
2									
3									
4		ADD:	0						
5									
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	273.95	68.83	18,855.4	100.51	27,535.5	100.60	27,558.8
12									
13									
14									
15									
16									
17									
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6.1.27		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.			
COMPONENT		LOT NO.		DATE			
MODEL NO.		DRAWING NO.		PREPARED			
SERIAL NO.		U.O. MISSILE		APPROVED			
BOEING		AF04(694)-046		OPR-2334			
SKIRT				10/7/63			
WS-133		25-36080-1		JIM HILL			
0000440		942		G. OGDARD			

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	274.30	68.85	18,886.9	100.62	27,601.3	100.51	27,570.2
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	274.30	68.85	18,886.9	100.62	27,601.3	100.51	27,570.2
12								
13								
14								
15								
16								
17								
18								
19								
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6.3.28		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(094)-046</u>		REPORT NO. <u>OPR-2320</u>	
COMPONENT <u>EXLRT</u>		LOT NO.		DATE <u>9/23/63</u>	
MODEL NO. <u>MS-133</u>		DRAWING NO. <u>25-36080-1</u>		PREPARED <u>JTM HILL</u>	
SERIAL NO. <u>0000441</u>		U.O. MISSILE <u>927</u>		APPROVED <u>G. OGARD</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.10	68.91	18,958.8	100.43	27,630.5	100.46	27,639.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.10	68.91	18,958.8	100.43	27,630.5	100.46	27,639.2
12									
13									
14									
15									
16									
17									
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2-5550-0-11 R1

6.3.29		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2322	
COMPONENT		SKIRT		LOT NO.				DATE		9/24/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JTM BTL	
SERIAL NO.		0000442		U.O. MISSILE		929		APPROVED		G. OGDEN	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.95	68.91	19,085.6	100.51	27,835.4	100.71	27,891.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.95	68.91	19,085.6	100.51	27,835.4	100.71	27,891.2
12									
13									
14									
15									
16									
17									
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BOEING

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6.3.30 WEIGHT AND BALANCE CHANGE RECORD										
ASSOCIATE CONTRACTOR <u>BOEING</u>			CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2326</u>					
COMPONENT <u>BLIND</u>			LOT NO.		DATE <u>9/27/63</u>					
MODEL NO. <u>WB-133</u>			DRAWING NO. <u>25-36080-1</u>		PREPARED <u>JDM HILL</u>					
SERIAL NO. <u>0000443</u>			U.O. MISSILE <u>913</u>		APPROVED <u>Q. OGDARD</u>					
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE						
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT	X AXIS		Y AXIS		Z AXIS	
					ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)		276.15	68.69	18,968.7	100.69	27,806.2	100.45	27,738.8
2										
3										
4		ADD:		0						
5										
6										
7		DEDUCT:		0						
8										
9										
10										
11	25-36080-1	Body Section (Complete)		276.15	68.69	18,968.7	100.69	27,806.2	100.45	27,738.8
12										
13										
14										
15										
16										
17										
18										
19										
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21										
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6.3.31 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>	REPORT NO. <u>OPR-2330</u>						
COMPONENT <u>SECRET</u>		LOT NO.	DATE <u>10/1/63</u>						
MODEL NO. <u>WB-133</u>		DRAWING NO. <u>25-36080-1</u>	PREPARED <u>JDM HILL</u>						
SERIAL NO. <u>0000444</u>		U.O. MISSILE	APPROVED <u>Q. OGDEN</u>						
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1		276.80	68.90	19,070.3	100.49	27,815.0	100.58	27,841.7	
2	25-36080-1 Body Section (As Weighed)								
3									
4		0							
5	ADD:								
6									
7	DEDUCT:	0							
8									
9									
10		276.80	68.90	19,070.3	100.49	27,815.0	100.58	27,841.7	
11	25-36080-1 Body Section (Complete)								
12									
13									
14									
15									
16									
17									
18									
19									
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6.1.32		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR - BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. QPR-2332							
COMPONENT		LOT NO.		DATE							
MODEL NO. WB-133		DRAWING NO. 25-36080-1		PREPARED JTM HILL							
SERIAL NO. 0000445		U.O. MISSILE		APPROVED		9, 00010					

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	275.40	68.93	18,982.0	100.58	27,700.4	100.55	27,691.0
2									
3									
4		ADD:	0						
5									
6									
7		DEDUCT:	0						
8									
9									
10	25-36080-1	Body Section (Complete)	275.40	68.93	18,982.0	100.58	27,700.4	100.55	27,691.0
11									
12									
13									
14									
15									
16									
17									
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6.3.33 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		SCRIPT		LOT NO.				DATE	
MODEL NO.		WB-133		DRAWING NO.		25-36080-1		PREPARED	
SERIAL NO.		0000446		U.O. MISSILE		943		APPROVED	
								JPM HULL	
								G. OGDEN	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	275.10	68.80	18,962.9	100.44	27,630.5	100.67	27,693.6
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.10	68.80	18,926.9	100.44	27,630.5	100.67	27,693.6
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

6.3.34		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2321	
COMPONENT		SHORT		LOT NO.				DATE		9/20/63	
MODEL NO.		WB-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000451		U.O. MISSILE		928		APPROVED		G. OAKED	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1											
2	25-36080-1	Body Section (As Weighed)	276.80	68.90	19,070.3	100.55	27,833.1	100.57	27,838.1		
3											
4											
5		ALD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	276.80	68.90	19,070.3	100.55	27,833.1	100.57	27,838.1		
12											
13											
14											
15											
16											
17											
18											
19											
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6.3.35 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. MISSILE		APPROVED					
BOEING		AF04 (594) -046		QPR-2323					
SKIRT				9/24/63					
WB-133		25-36080-1		JIM MILL					
0000452		930		G. OGDEN					

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	274.65	68.87	18,914.6	100.54	27,612.7	100.61	27,632.3
2									
3									
4			0						
5		ADD:							
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.65	68.87	18,914.6	100.54	27,612.7	100.61	27,632.3
12									
13									
14									
15									
16									
17									
18									
19									
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29									
30									
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32									

6.3.36		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.		DATE		PREPARED		APPROVED	
COMPONENT		LOT NO.		ARM		MOYENT		ARM		MOYENT	
MODEL NO.		DRAWING NO.		25-36080-1		25-36080-1		JIM HILL		O. OGARD	
SERIAL NO.		U.O. MISSILE		934							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOYENT	Y AXIS ARM	Y AXIS MOYENT	Z AXIS ARM	Z AXIS MOYENT		
1	25-36080-1	Body Section (As Weighed)	276.15	68.81	19,002.5	100.65	27,795.3	100.58	27,775.0		
2											
3											
4		ADD:	0								
5											
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	276.15	68.81	19,002.5	100.65	27,795.3	100.58	27,775.0		
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
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25											
26											
27											
28											
29											
30											
31											
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6.2.37		WEIGHT AND BALANCE CHANGE RECORD							
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. QTR-2331					
COMPONENT SECT		LOT NO.		DATE 10/1/63					
MODEL NO. WB-135		DRAWING NO. 25-36080-1		PREPARED JIM HILL					
SERIAL NO. 0000454		U.O. MISSILE		APPROVED G. O'NEAL					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	275.80	68.86	18,991.7	100.49	27,715.0	100.59	27,741.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.80	68.86	18,991.7	100.49	27,715.0	100.59	27,741.8
12									
13									
14									
15									
16									
17									
18									
19									
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25									
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30									
31									
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6.3.38 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>			CONTRACT NO. <u>AF04(694)-046</u>			REPORT NO. <u>OPR-2333</u>			
COMPONENT <u>SKIRT</u>			LOT NO.			DATE <u>10/1/63</u>			
MODEL NO. <u>WB-133</u>			DRAWING NO. <u>25-36080-1</u>			PREPARED <u>JDA HILL</u>			
SERIAL NO. <u>0000455</u>			U.O. MISSILE <u>941</u>			APPROVED <u>G. OGDEN</u>			
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	275.35	68.87	18,964.3	100.51	27,675.4	100.63	27,709.5
2									
3									
4									
5		AID:	0						
6									
7									
8		PRODUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.35	68.87	18,964.3	100.51	27,675.4	100.63	27,709.5
12									
13									
14									
15									
16									
17									
18									
19									
20									
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22									
23									
24									
25									
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28									
29									
30									
31									
32									



6.3.39		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2136
COMPONENT	SKID	LOT NO.		DATE	10/7/63
MODEL NO.	WB-133	DRAWING NO.	25-36080-1	PREPARED	JIM HULL
SERIAL NO.	0000456	U.O. MISSILE	944	APPROVED	G. OARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.15	68.88	18,884.6	100.37	27,515.6	100.69	27,604.1
3									
4									
5		AID:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.15	68.88	18,884.6	100.37	27,515.6	100.69	27,604.1
12									
13									
14									
15									
16									
17									
18									
19									
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25									
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28									
29									
30									
31									
32									

6.3.40		WEIGHT AND BALANCE CHANGE RECORD										
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(64)-046		REPORT NO. QPR-2424								
COMPONENT SKIRT		LOT NO.		DATE 9/24/63								
MODEL NO. WS-133		DRAWING NO. 25-36080-1		PREPARED JTM HULL								
SERIAL NO. 0000523		U.O. MISSILE 931		APPROVED G. OGDEN								
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE									
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		ARM	MOMENT	ARM	MOMENT
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT				
1												
2	Body Section (As Weighed)	273.60	68.90	18,852.1	100.53	27,505.9	100.57	27,514.7				
3												
4												
5	ADD:	0										
6												
7												
8	DEDUCT:	0										
9												
10												
11	Body Section (Complete)	273.60	68.90	18,852.1	100.53	27,505.9	100.57	27,514.7				
12												
13												
14												
15												
16												
17												
18												
19												
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31												
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6.4

BASE HEAT DEFLECTORS

SERIAL NUMBERS	25-36379-1	25-36378-1	25-36377-1
0000353	5.98 lb.	15.42 lb.	24.61 lb.
0000354	5.98	15.31	25.20
0000355	5.92	15.46	25.26
0000409	5.79	15.34	25.13
0000410	5.94	15.30	25.69
0000415	5.97	15.44	25.18
0000416	6.03	15.41	25.60
0000417	5.95	15.47	25.73
0000418	5.93	15.39	25.63
0000419	5.99	15.56	24.83
0000420	5.98	15.48	25.22
0000425	5.95	15.45	25.04
0000426	6.00	15.43	25.46
0000427	6.02	15.31	25.46
0000428	6.00	15.51	25.46
0000429	5.89	15.37	25.39
0000430	5.90	14.95	25.32
0000431	6.00	15.37	25.53
0000432	6.07	15.61	25.32
0000433	5.95	15.39	25.50
0000434	5.91	15.46	25.28
0000435	5.94	15.33	24.83
0000436	6.00	15.57	24.95
0000437	6.02	15.44	25.45
0000438	5.97	15.49	25.50
0000439	6.07	15.42	25.83
0000440	5.82	15.50	25.21
0000441	6.04	15.39	25.50
0000442	6.04	15.36	25.51
0000443	6.00	15.55	25.31
0000444	5.92	15.44	25.15
0000445	5.98	15.32	25.61
0000446	5.85	15.50	25.31
0000451	5.84	15.41	25.41
0000452	6.00	15.44	25.27

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BASE HEAT DEFLECTORS (CONT.)

SERIAL NUMBERS	25-36379-1	25-36378-1	25-36377-1
0000453	6.06 lb.	15.44 lb.	25.27 lb.
0000454	5.98	15.01	25.21
0000455	6.02	15.50	25.20
0000456	5.90	15.38	25.44
0000523	5.99	15.46	25.15

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CONVERSION INDEX

Listed on the following pages by production serial number is a Conversion Index showing missile number and the Mass Properties Report in which data may be found.

The following list covers serial numbers listed in D2-13946-1 thru D2-13946-10.

In following reports only those serial numbers listed in the newly released reports will appear.

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Serial No.	Missile	D2-13946-	Serial No.	Missile	D2-13946-
0000187	611	3	0000223	719	5
0000188	618	3	0000224	721	5
0000189	641	3	0000225	724	5
0000190	787	7	0000226	727	5
0000191	GTM-021	1	0000227	732	5
0000192	625	3	0000228	735	5
0000193	GTM-020	2	0000229	737	5
0000194	632	3	0000230	740	6
0000195	639	3	0000231	687	4
0000196	644	3	0000232	706	5
0000197	646	3	0000233	726	5
0000198	648	3	0000234	775	6
0000199	655	4	0000235	723	5
0000200	660	4	0000236	725	5
0000201	667	4	0000237	729	5
0000202	669	4	0000238	734	5
0000203	674	4	0000239	738	5
0000204	676	4	0000240	741	6
0000205	681	4	0000241	744	6
0000206	686	4	0000242	748	6
0000207	690	5	0000243	751	6
0000208	697	5	0000244	754	6
0000209	702	5	0000245	728	5
0000210	707	5	0000246	730	5
0000211	679	4	0000247	733	5
0000212	683	4	0000248	736	5
0000213	688	5	0000249	739	6
0000214	693	5	0000250	742	6
0000215	700	5	0000251	746	6
0000216	704	5	0000252	749	6
0000217	709	5	0000253	752	6
0000218	712	5	0000254	755	6
0000219	716	5	0000255	743	6
0000220	720	5	0000256	747	6
0000221	711	5	0000257	750	6
0000222	714	5	0000258	753	6

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Serial No.	Missile	D2-13946-	Serial No.	Missile	D2-13946-
0000259	756	6	0000295	792	7
0000260	760	6	0000296	795	7
0000261	763	6	0000297	799	7
0000262	766	6	0000298	802	7
0000263	769	6	0000299	805	7
0000264	773	6	0000300	809	7
0000265	758	6	0000301	811	7
0000266	761	6	0000302	814	7
0000267	764	6	0000303	818	7
0000268	767	6	0000304	821	7
0000269	772	6	0000305	793	7
0000270	774	6	0000306	796	7
0000271	779	6	0000307	800	7
0000272	782	6	0000308	803	7
0000273	785	6	0000309	806	7
0000274	789	7	0000310	810	7
0000275	757	6	0000311	812	7
0000276	762	6	0000312	815	7
0000277	765	6	0000313	819	7
0000278	768	6	0000314	822	7
0000279	771	6	0000315	824	7
0000280	777	6	0000316	827	7
0000281	780	6	0000317	831	8
0000282	783	6	0000318	834	8
0000283	786	6	0000319	837	8
0000284	790	7	0000320	840	8
0000285	778	6	0000321	844	8
0000286	781	6	0000322	847	8
0000287	784	6	0000323	850	8
0000288	788	7	0000324	853	8
0000289	791	7	0000325	825	7
0000290	794	7	0000326	828	7
0000291	797	7	0000327	832	8
0000292	801	7	0000328	835	8
0000293	804	7	0000329	838	8
0000294	807	7	0000330	841	8

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Serial No.	Missile	D2-13946-	Serial No.	Missile	D2-13946-
0000331	845	8	0000380	846	8
0000332	848	8	0000381	849	8
0000333	851	8	0000382	852	8
0000334	854	8	0000383	856	8
0000335	857	8	0000384	859	8
0000336	860	8	0000385	861	8
0000337	862	8	0000386	864	8
0000338	865	9	0000387	867	9
0000339	868	9	0000388	871	9
0000340	872	9	0000389	875	9
0000341	874	9	0000390	877	9
0000342	878	9	0000391	863	8
0000343	881	9	0000392	866	9
0000344	885	9	0000393	869	9
0000345	808	7	0000394	873	9
0000346	722	5	0000395	876	9
0000347	829	8	0000396	879	9
0000348	842	8	0000397	882	9
0000349	759	6	0000398	886	9
0000350	870	9	0000399	888	9
0000351	883	9	0000400	890	9
0000352	898	9	0000401	880	9
0000353	911	10	0000402	884	9
0000354	921	10	0000403	887	9
0000355	935	10	0000404	889	9
0000356	695	5	0000405	891	9
0000357	718	5	0000406	895	9
0000371	817	7	0000407	899	9
0000372	820	7	0000408	902	9
0000373	823	7	0000409	905	10
0000374	826	7	0000410	908	10
0000375	830	8	0000411	892	9
0000376	833	8	0000412	896	9
0000377	836	8	0000413	900	9
0000378	839	8	0000414	903	9
0000379	843	8	0000415	906	10

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Serial No.	Missile	D2-13946-	Serial No.	Missile	D2 13946-
0000416	909	10	0000456	944	10
0000417	913	10	0000521	855	8
0000418	916	10	0000522	894	9
0000419	919	10	0000523	931	10
0000420	923	10	0000915	653	4
0000421	893	9	0000916	813	7
0000422	897	9	0000917	622	4
0000423	901	9			
0000424	904	9			
0000425	907	10			
0000426	910	10			
0000427	914	10			
0000428	917	10			
0000429	920	10			
0000430	924	10			
0000431	912	10			
0000432	915	10			
0000433	918	10			
0000434	922	10			
0000435	925	10			
0000436	926	10			
0000437	932	10			
0000438	936	10			
0000439	937	10			
0000440	042	10			
0000441	927	10			
0000442	929	10			
0000443	933	10			
0000444	038	10			
0000445	940	10			
0000446	943	10			
0000451	928	10			
0000452	930	10			
0000453	934	10			
0000454	939	10			
0000455	941	10			

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